

Author's No. 1 Test Preparation Company

Dogar's Testmaster

Dogar Brothers

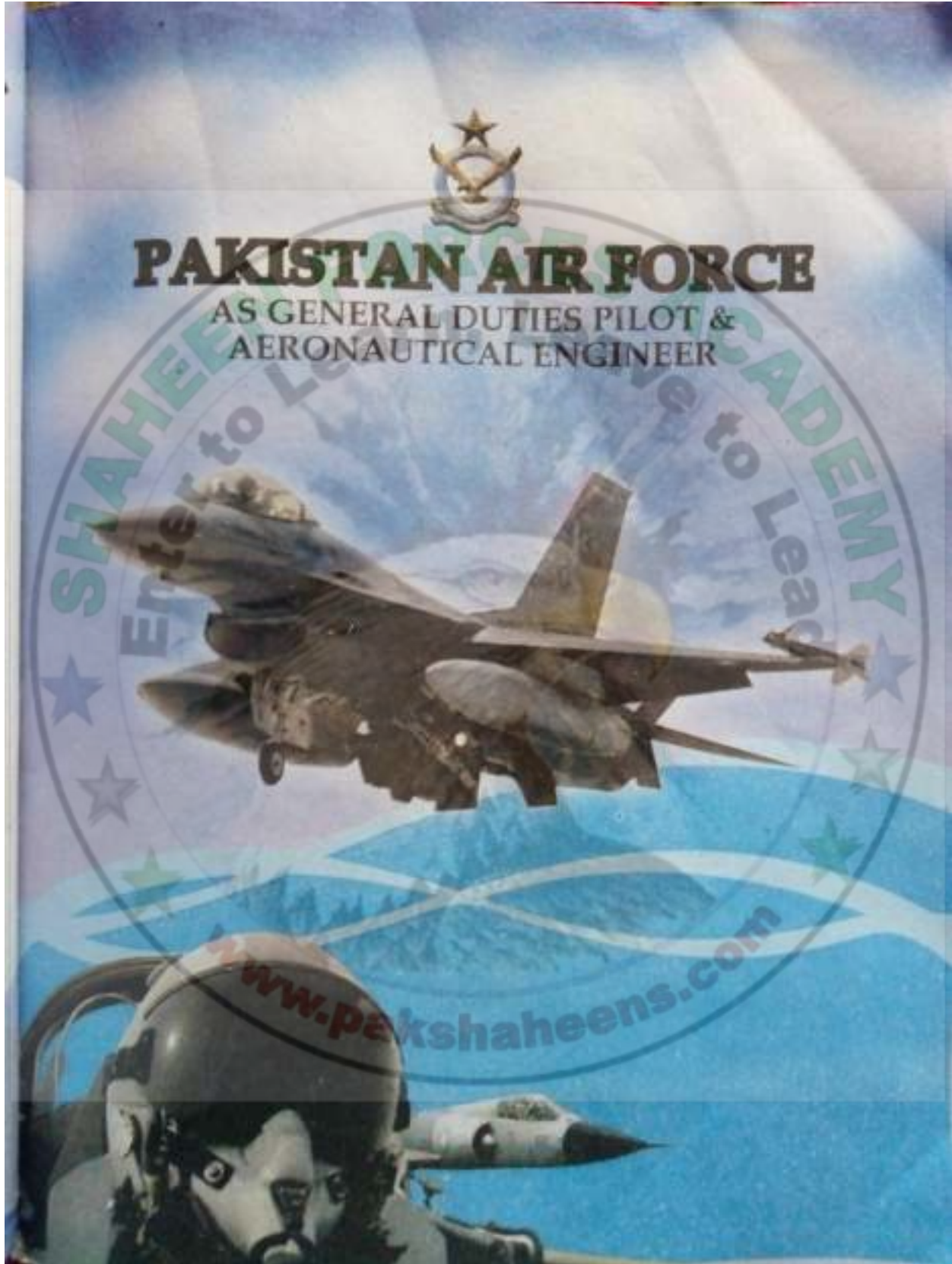
Since 1949

Dogar's Testmaster
Latest & Up-to-date

Watermarkly

03059677107





For Free Practice visit <https://www.pakshaheens.com/> & for Test Pattern visit <https://tutorials.pakshaheens.com/>
For Physical Classes Join Shaheen Forces Academy, Rawalpindi

03059677107

PAF | Pakistan Air Force



JOIN PAKISTAN AIR FORCE AS GENERAL DUTIES PILOT & AERONAUTICAL ENGINEER

Candidates from all over the country are invited for the time and being to join Defence Forces as Commissioned Officer in Pakistan Air Force.

ELIGIBILITY

(i) **Aeronautical Engineer:**

| | |
|-----------------|---|
| Age: | 16 1/2 to 22 years. |
| Nationality: | Male / Female Citizens of Pakistan. |
| Marital Status: | Unmarried. |
| Qualification: | A candidate must have obtained at least 50% marks in aggregate in any of the following: <ul style="list-style-type: none">• HSSC / F.Sc (Pre-Engg)• Senior Cambridge in five subjects and should have passed physics, Chemistry and Maths in A level.• GCE (O) level in five subjects and should have passed Physics, Chemistry and Maths in A level. |

(ii) **GD Pilot:**

| | |
|-----------------|---|
| Age: | 16 1/2 to 22 years. |
| Nationality: | Male / Female Citizens of Pakistan. |
| Marital Status: | Unmarried. |
| Qualification: | A candidate must have obtained at least 50% marks in aggregate in any of the following: <ul style="list-style-type: none">• HSSC / F.Sc (Pre-Engg / following)• Senior Cambridge in five subject and should have passed physics and Maths or Biology in A level.• Intermediate with Physics and any two of Maths, Statistics, Computer Science and Biology. |

PAF | GENERAL INTRODUCTION

03059677107



03059677107





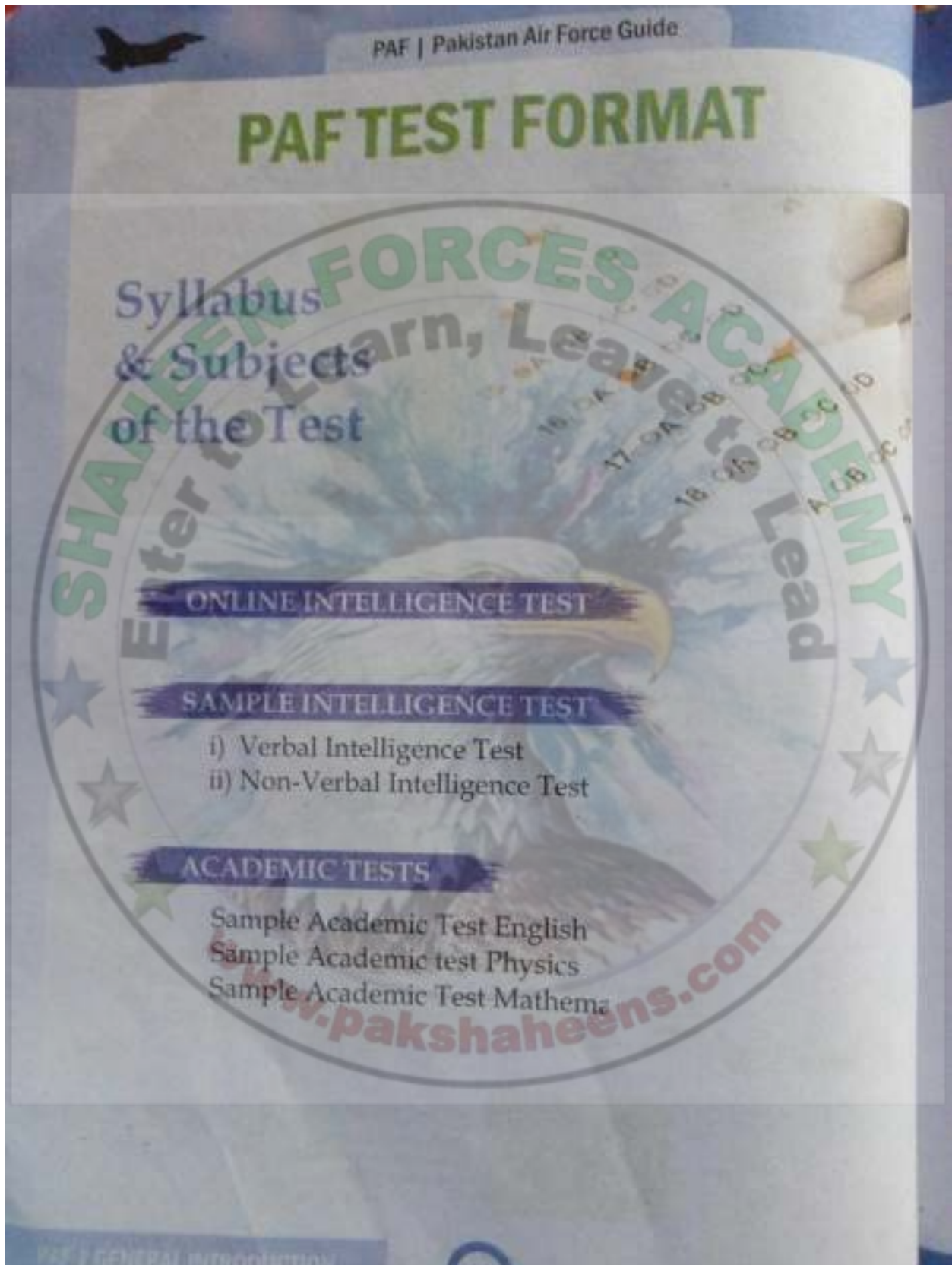


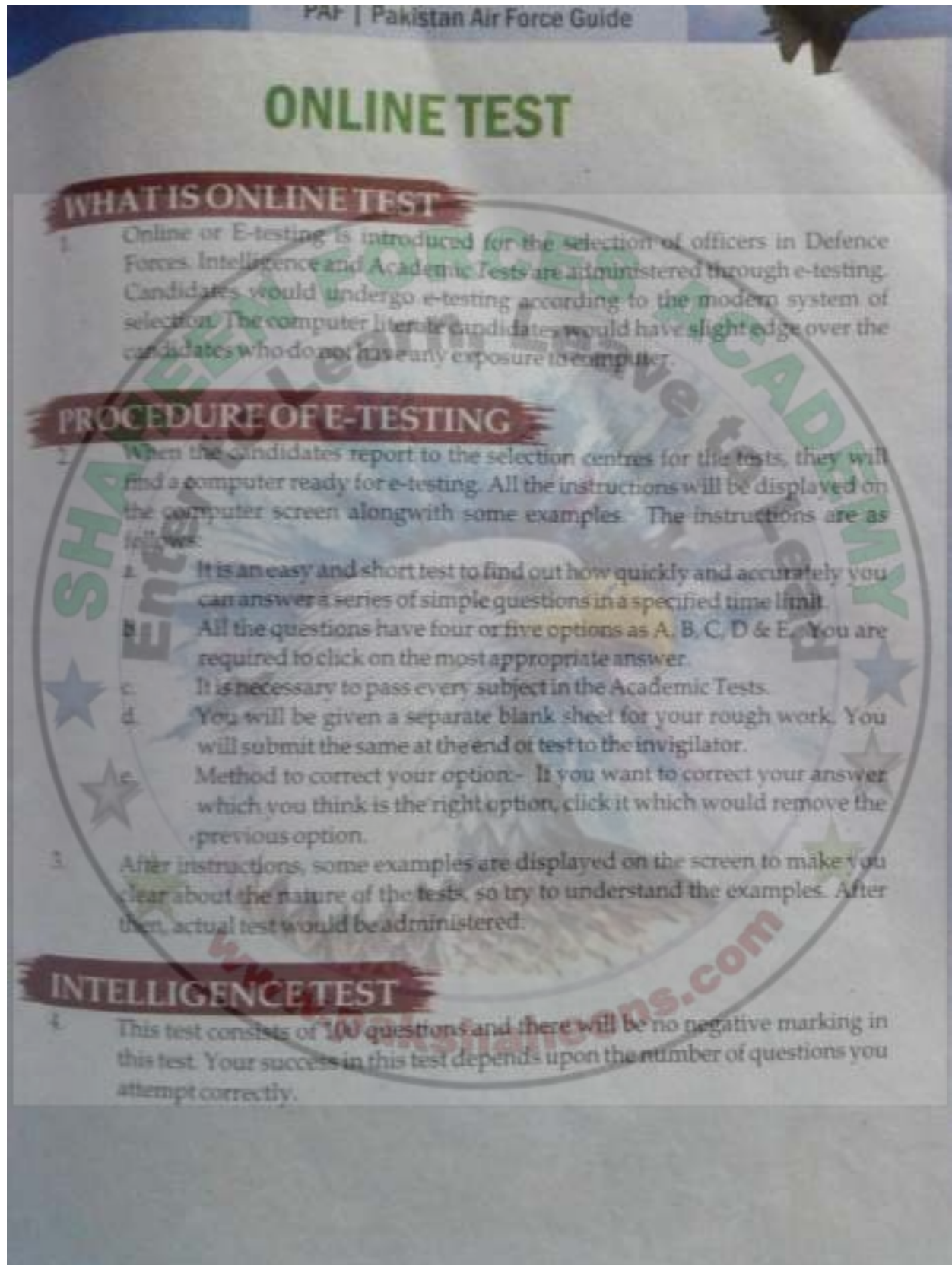
PAF | Pakistan Air Force Guide

CONTACT PAF INFORMATION & SELECTION CENTRES

| | |
|---|---|
|  <p>ABBOTTABAD 310, Minichia Road, Near Arif Medical Complex, Abbottabad ☎ : 0992-361157</p> |  <p>MIANWALI TMA Rest House, Balu Khali Road, Committee Chowk, Mianwali ☎ : 0455-9234397</p> |
|  <p>BAHAWALPUR 10-A Extension Scheme Satellite Town, Bahawalpur ☎ : 0621-9250103</p> |  <p>MULTAN 217, Sher Shah Road, Multan ☎ : 0461-9201183</p> |
|  <p>FAISALABAD Main Jhang Road, Near 64 Pulley Stop, Faisalabad ☎ : 041-9201199</p> |  <p>PESHAWAR 9, The Mall, Peshawar ☎ : 091-9210029</p> |
|  <p>HYDERABAD 49, Salahudin Road, Hyderabad ☎ : 022-9200936</p> |  <p>QUETTA MA, Jinnah Road, Quetta ☎ : 091-9201753</p> |
|  <p>KARACHI Main Shahr-e-Faisal, Near PAF Base Faisal, Karachi ☎ : 021-99240999</p> |  <p>RAWALPINDI 1, The Mall, opposite AFIC, Rawalpindi ☎ : 081-5701143</p> |
|  <p>LAHORE 14, Munde Road, Munir Chowk, (Near PAF Cinema), Lahore ☎ : 042-99220084</p> |  <p>SUKKUR Minars Road, opposite Govt. Jafaria College, Sukkur ☎ : 071-9310408</p> |
|  <p>BENAZIRABAD Near Shaheen Vocational Training Institute (Nawabshah) ☎ : 0244-9370444</p> | |

03059677107





03059677107











PAF | Pakistan Air Force Guide

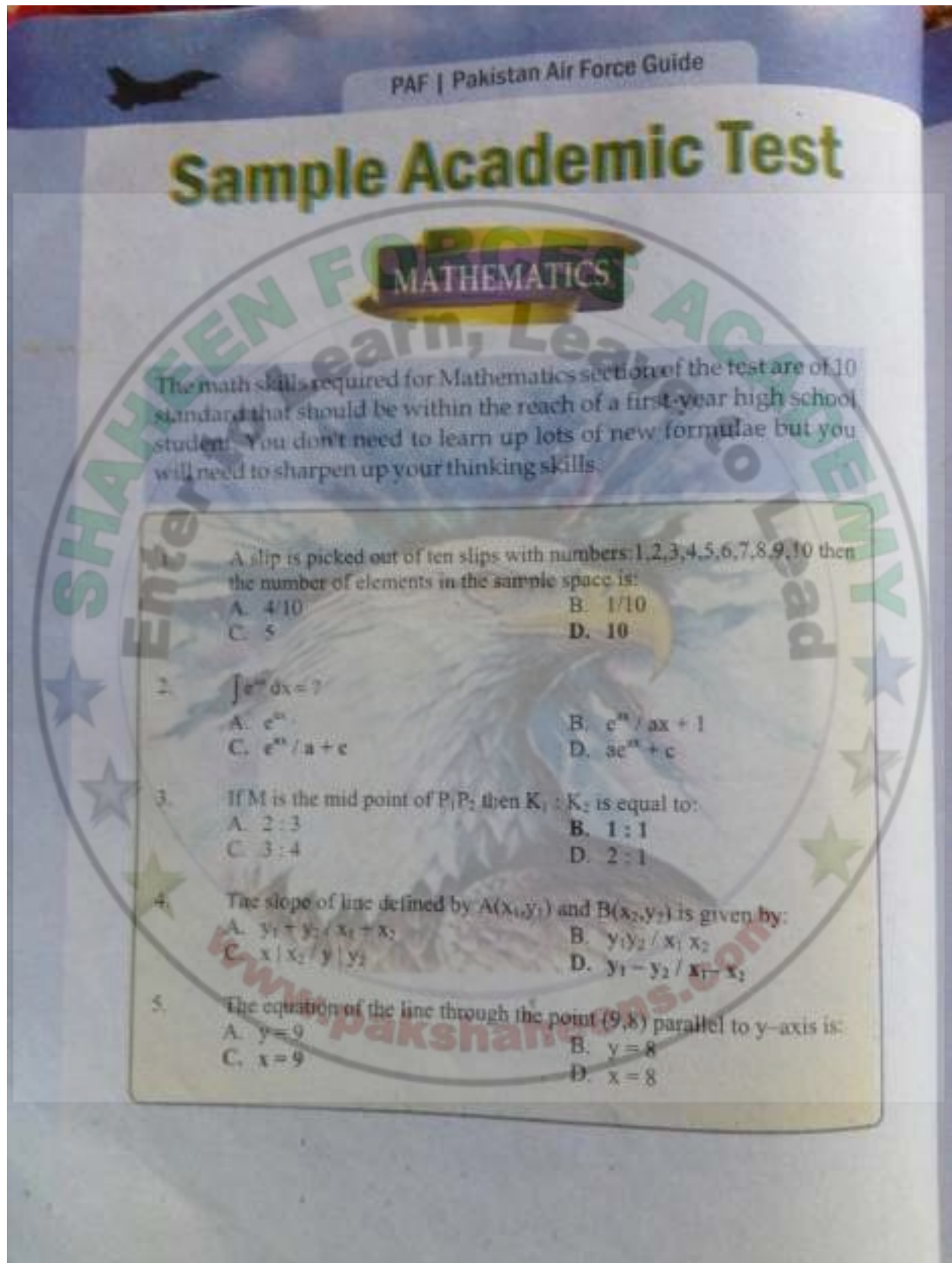
Sample Academic Test

PHYSICS

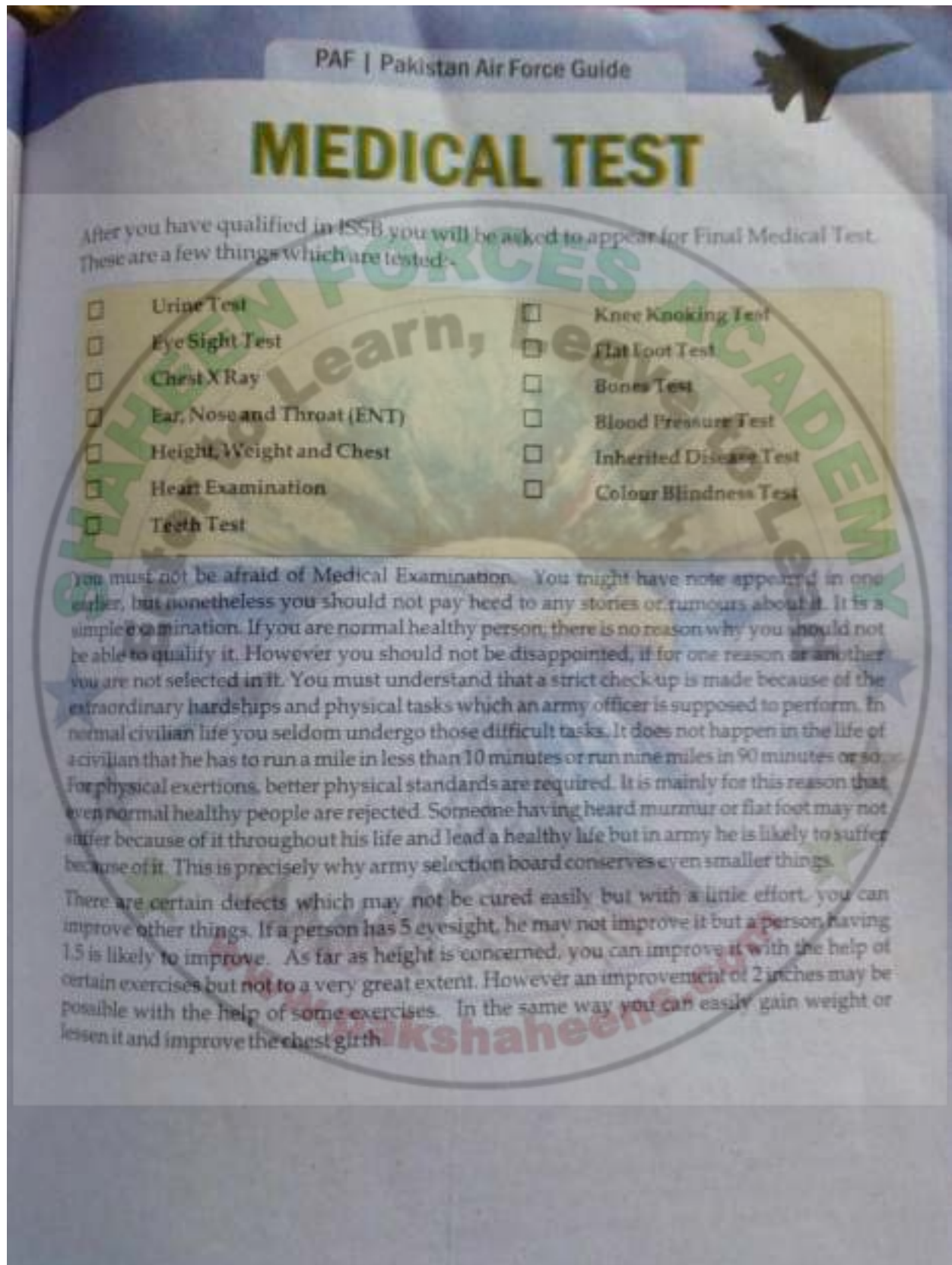
The Physics section of the test are of a 12 standard that should be within the reach of a Bachelor's degree student. You don't need to learn up lots of formulae or new concepts but you will need to improve your existing knowledge in Physics with extended horizon.

- How many phone calls can be carried by single mode step index fibre?
A. 25000
B. 96000
C. 14000
D. 21000
- Multimode graded index fibre core has diameter of:
A. 40-200 μm
B. 50-1000 μm
C. 50-150 μm
D. 50-300 μm
- Optical fibres are of:
A. Five type
B. Two type
C. Three type
D. None of these
- A body of mass 100 gm is suspended from a spring of force constant 50 N/m. The maximum acceleration produced in the spring is:
A. $g/2$
B. g
C. $g/3$
D. $g/4$
- The time period of a second's pendulum on the surface of moon is found to be $2\sqrt{6}$. The acceleration due to gravity on the surface of moon is:
A. 3.2 ms^{-2}
B. 1.6 ms^{-2}
C. 0.8 ms^{-2}
D. 0.6 ms^{-2}

03059677107



03059677107



03059677107



03059677107



03059677107

MINIMUM PHYSICAL STANDARD

The candidates must fulfil the minimum physical standard which is as follows:-

1. Height without shoes 5 ft 2 inches
2. Chest (Normal) 30 1/2 inches
3. Chest (Expanded) 37 1/2 inches

MEDICAL CHART

| Age group | Height | Minimum chest measurement (relative to age and height) | Weight (minimum) |
|--------------|----------------|--|------------------|
| 16-17 | 5'0" - 5'2" | 30" - 32" | 110 lbs |
| 18-19 | 5'2" - 5'4" | 30 1/2" - 32 1/2" | 115 lbs |
| 20-21 | 5'4" - 5'6" | 31" - 33" | 120 lbs |
| 22-23 | 5'6" - 5'8" | 32" - 34" | 125 lbs |
| 24-25 | 5'8" - 5'10" | 32 1/2" - 35 1/2" | 130 lbs |
| 26-27 | 5'10" - 6'0" | 33" - 36" | 135 lbs |
| 28 and above | 6'0" and above | 33 1/2" - 36 1/2" | 140 lbs |

HEIGHT & WEIGHT CHART WITH RESPECT TO AGE FACTOR

| Age | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Height (inches) | 58 | 57 | 59 | 60 | 62 | 63 | 64 | 65 |
| Weight (pounds) | 119 | 124 | 128 | 133 | 136 | 141 | 145 | 150 |
| Height (inches) | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 |
| Weight (pounds) | 159 | 164 | 168 | 172 | 176 | 180 | 184 | 189 |
| Height (inches) | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 |
| Weight (pounds) | 200 | 205 | 210 | 214 | 218 | 222 | 226 | 230 |
| Height (inches) | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 |
| Weight (pounds) | 241 | 246 | 250 | 254 | 258 | 262 | 266 | 270 |
| Height (inches) | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 |
| Weight (pounds) | 281 | 286 | 290 | 294 | 298 | 302 | 306 | 310 |
| Height (inches) | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 |
| Weight (pounds) | 321 | 326 | 330 | 334 | 338 | 342 | 346 | 350 |
| Height (inches) | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 |
| Weight (pounds) | 361 | 366 | 370 | 374 | 378 | 382 | 386 | 390 |
| Height (inches) | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 |
| Weight (pounds) | 401 | 406 | 410 | 414 | 418 | 422 | 426 | 430 |
| Height (inches) | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 |
| Weight (pounds) | 441 | 446 | 450 | 454 | 458 | 462 | 466 | 470 |
| Height (inches) | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 |
| Weight (pounds) | 481 | 486 | 490 | 494 | 498 | 502 | 506 | 510 |
| Height (inches) | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 |
| Weight (pounds) | 521 | 526 | 530 | 534 | 538 | 542 | 546 | 550 |
| Height (inches) | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 |
| Weight (pounds) | 561 | 566 | 570 | 574 | 578 | 582 | 586 | 590 |
| Height (inches) | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 |
| Weight (pounds) | 601 | 606 | 610 | 614 | 618 | 622 | 626 | 630 |
| Height (inches) | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 |
| Weight (pounds) | 641 | 646 | 650 | 654 | 658 | 662 | 666 | 670 |
| Height (inches) | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 |
| Weight (pounds) | 681 | 686 | 690 | 694 | 698 | 702 | 706 | 710 |
| Height (inches) | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 |
| Weight (pounds) | 721 | 726 | 730 | 734 | 738 | 742 | 746 | 750 |
| Height (inches) | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 |
| Weight (pounds) | 761 | 766 | 770 | 774 | 778 | 782 | 786 | 790 |
| Height (inches) | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 |
| Weight (pounds) | 801 | 806 | 810 | 814 | 818 | 822 | 826 | 830 |

www.pakshaheens.com

26

PAF | Pakistan Air Force Guide

Sample Pilot's Aptitude Test

ONLY FOR GD PILOT COURSE


The problem of pilot selection is a crucial one. It would indeed be inefficient, expensive and disastrous method to train all who applied and later on drive a person out when any one smashes the plane. To give training to those who do not have innate aptitude means wasting of time, money and energy which the Government can ill-afford to do. In view of this, some objective tests of the kind to be described presently have been constructed to measure the ability relevant to the art of flying a plane.

Pilot Aptitude Test consists of 3 tests

1. Meter reading (6 meters) in respect of direction, flight (level, diving or climbing), speed, altitude, turns (left or right) and banking of an aeroplane.
2. Light control.
3. Drum Test.

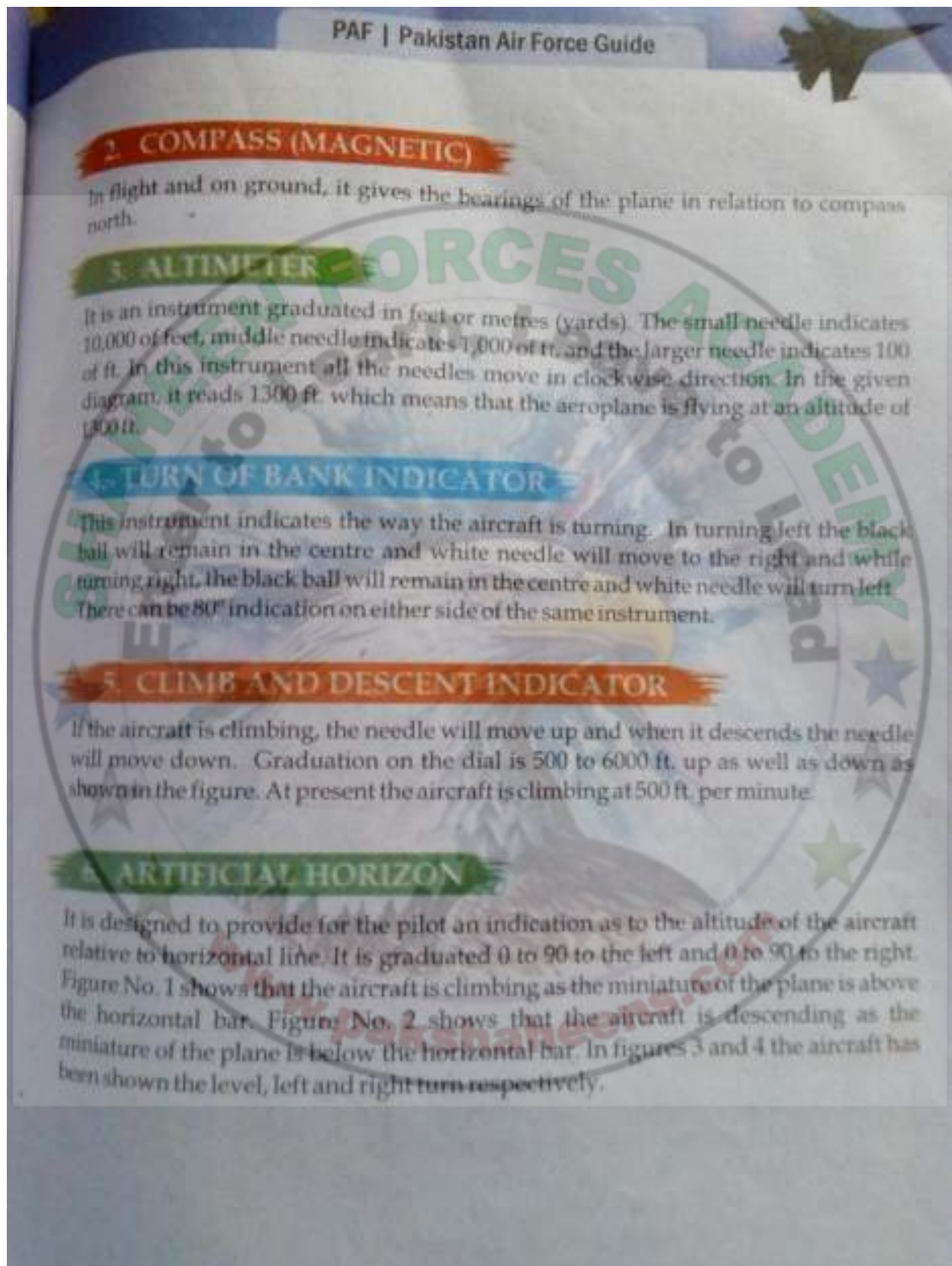
METER READING

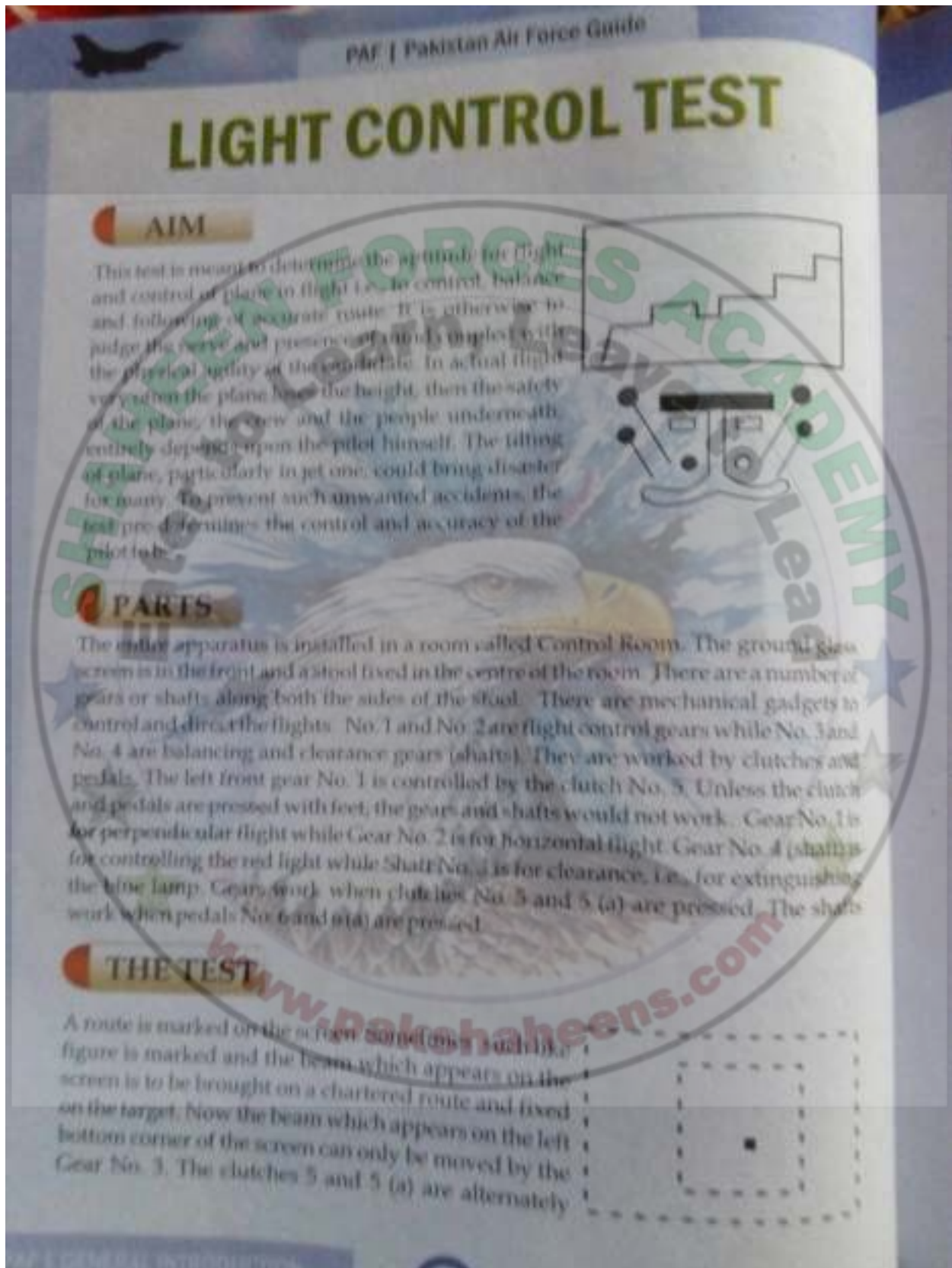
In this test, the candidate is given 5 questions to be answered in 12 minutes. After this, there is a second set of 60 questions on two meters (horizon and compass) for which 20 minutes are given to answer them. This test is important as it shows whether a candidate can quickly make mental note of the meters accurately so as to gain knowledge and then adjust flight accordingly.



The image shows two circular instruments. The left one is an Air Speed Indicator with a yellow background and a needle pointing to 100. The right one is a Magnetic Compass with an orange background and a needle pointing to 0. Both instruments have numerical scales around the perimeter.



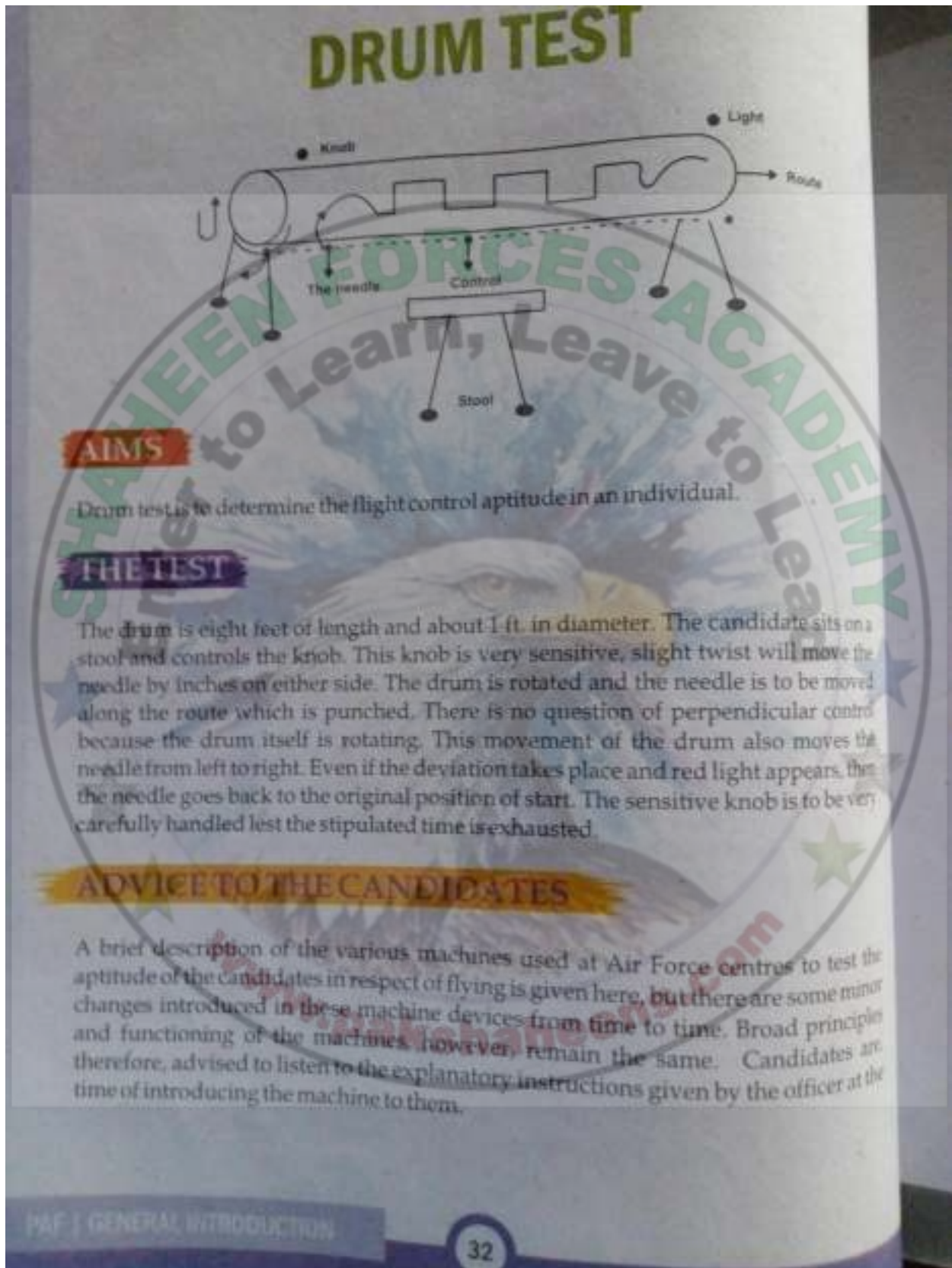




03059677107



03059677107





SHAHEEN FORCES

Learn, Leave

INTELLIGENCE TEST

What is Intelligence?

The word intelligence basically means the natural ability to solve problems. It is the power of learning, understanding and reasoning. Intelligence that is mental ability is founded on intellect. It may also be termed as wisdom, and knowledge. Naturally, man is intelligent and possesses inbuilt qualities such as the instinct, the five senses, the perceptive knowing, and undoubtedly the intuitive realization.

Consideration that is contemplation is meticulous in characteristic as it acquaints us with cognitive, pragmatic and affective processes of the mind. Intelligence, in fact is the amalgamation of wits, consciousness, comprehension, decisive power, steadfastness and self accountability.

What is Intelligence Test?

Intelligence tests are designed to assess a student's ability to figure out correct solutions. The questions, asked in the test are grounded on keen observation, Common Sense, Basic Mathematics and the Basic Knowledge of Natural and Social Sciences.

There are 02 types of intelligence test which are as under:

1. Verbal Intelligence Test
2. Non-Verbal Intelligence Test

PAF | INTELLIGENCE TEST

03059677107

VERBAL INTELLIGENCE TEST

Commonly, there are three types of questions, asked in the verbal intelligence test, which are explained with solved examples below.

1. Series completion
2. Analogy Test
3. Classification

SERIES COMPLETION

This Section deals with questions in which series of numbers or alphabetical letters are given which are generally called as terms of the series. These terms follow a certain pattern throughout. The candidate is required to recognize this pattern and either complete the given series with the most suitable alternative or find the wrong term in the series.

There are 02 types of series completion questions which are explained below with solved examples.

Type 1: Number Series

In this test a few numbers are given according to a definite scheme and the candidates are asked to work out the next number by discovering the pattern of the given scheme.

EXAMPLE

1. Which number would replace question mark in the series 7, 12, 19, ?, 39?

(a) 29 (b) 28
(c) 26 (d) 24

Sol. Clearly, the given sequence follows the pattern:
 $+5, +7, +9 \dots$ i.e., $7+5=12, 12+7=19, \dots$
Missing number = $19+9=28$.
Hence, the answer is (b).

EXAMPLE

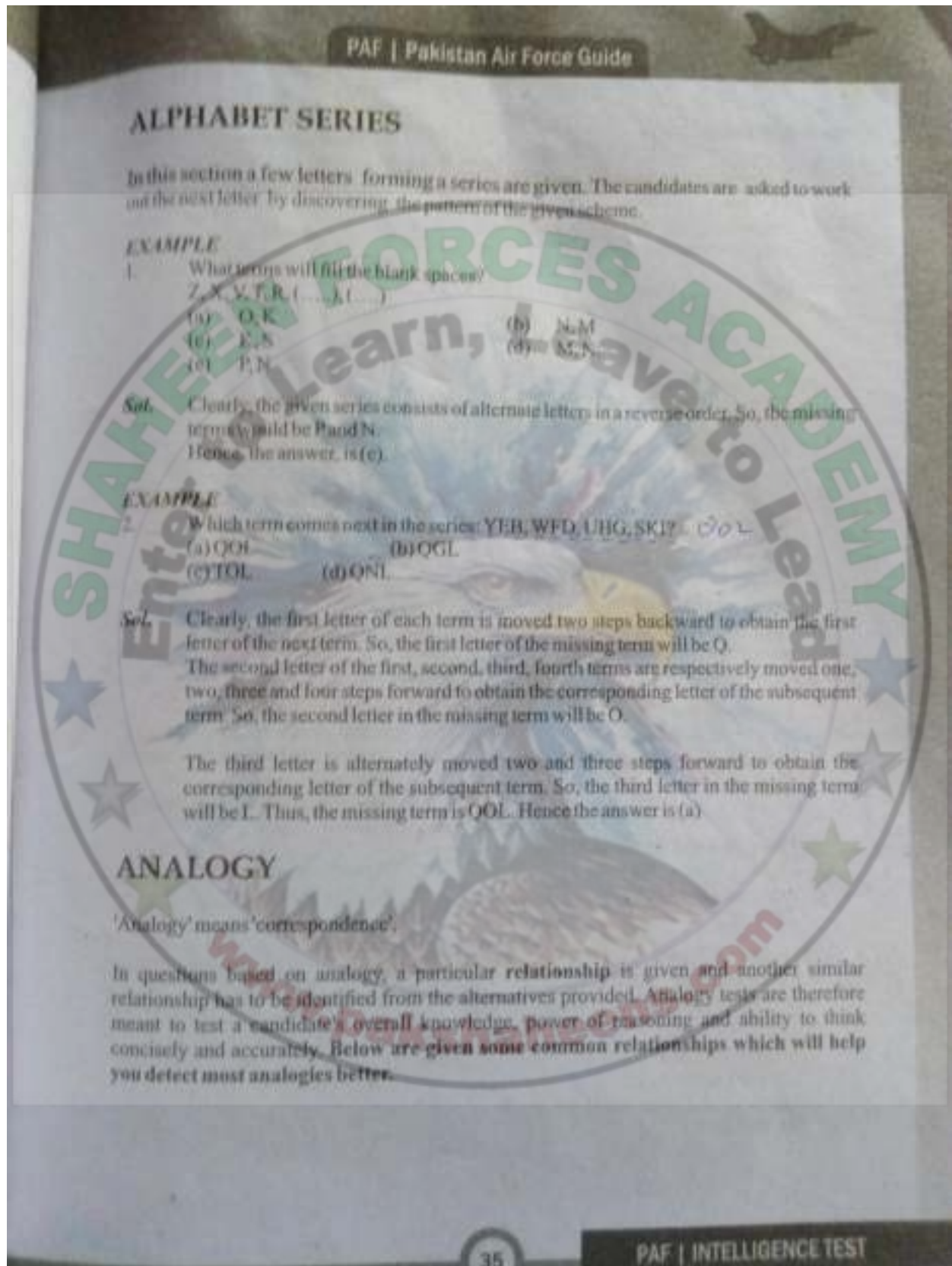
2. Which is the number that comes next in the sequence:
0, 6, 24, 60, 120, 210?

(a) 240 (b) 290
(c) 336 (d) 504

Sol. Clearly, the given Series is $1^3-1, 2^3-2, 3^3-3, 4^3-4, 5^3-5, 6^3-6$.
Next number = $7^3-7=343-7=336$.
Hence, the answer is (c).

PAF | INTELLIGENCE TEST

03059677107



03059677107





03059677107

OTHER VERBAL TESTS

As stated above, in verbal tests, the items are stated in language form. We have already discussed Analogy, Series Completion and Classification Tests. The following are some of the other important types of verbal tests, employed by the various selection boards.

DIRECTION TEST

Format of the Question:
A moving creature or a thing may be human beings, airplanes, vehicles or objects - changes direction after covering some distance. Direction is changed many times and some distance is covered every time. The questions relate to total distance covered by the moving creature or thing from its starting point. Second type of question will relate to the direction in which the moving object is from its starting point.

EXAMPLE
You started from a place and went 4 kms. north and turned left and moved 2 kms west. Then you again turned left and moved on 4 kms. How many kilometers are you away from the place you started?

(a) 4km. (b) 2km.
(c) 6km. (d) 5km.

Answer is (b)

EXPLANATION: Answer is obvious from the Figure.



The man starts from A and reaches B.

ANALYSIS

If a man stands with his face towards the East, his left hand will point towards North, his right hand towards South and his back toward West. The following figure shows the directions.

PAF | INTELLIGENCE TEST

38

03059677107



You can attempt this question properly unless you draw a figure on a paper, sometimes the direction given in the question are different from the normal direction. So draw the figure accordingly.

QUESTION: A person walks 5 km to the north from his house then takes a turn to the east and walks 2 km. Then he walks 4 km towards the south. How far is he from his house?

SOLUTION: Look at the following figure.



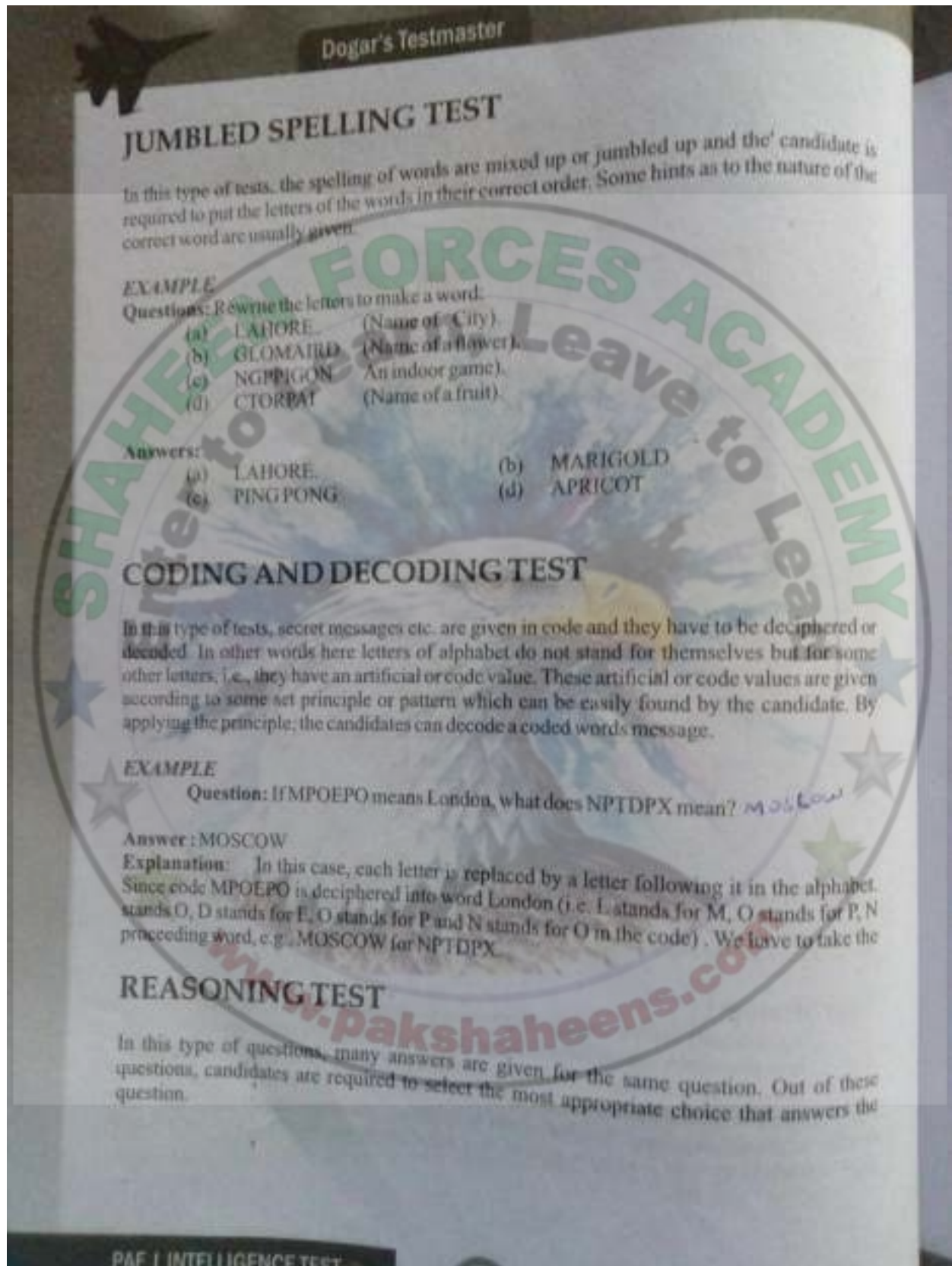
The person started from H' and after covering 5 km reached I then he turned towards east and after covering 2 km reached 'J'. From there he turned towards south and after covering 4 km reached K. Now, the distance from H on dotted line is

$$5\text{Km} - 4\text{Km} + 2\text{Km} = 3\text{Km}$$

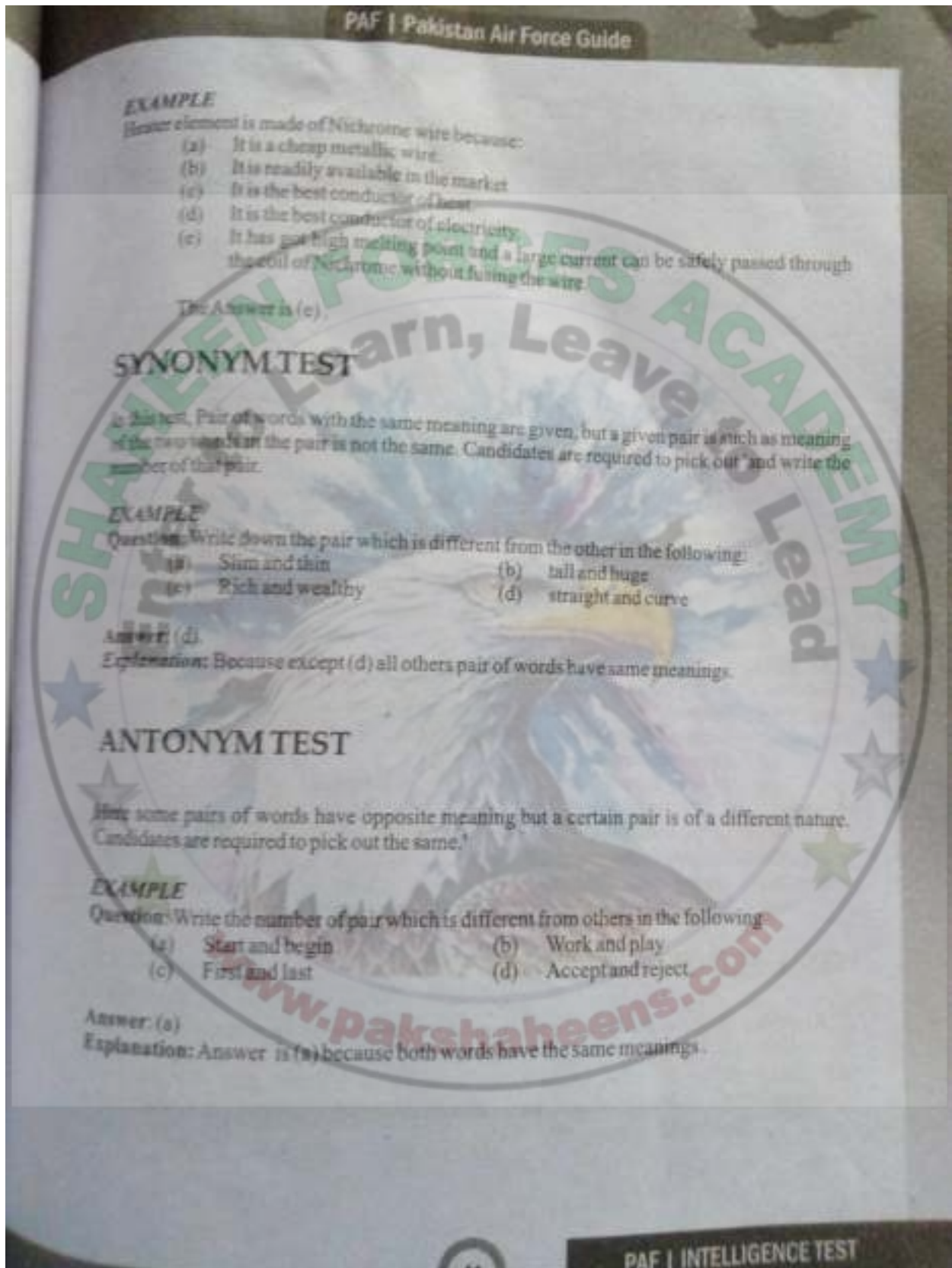
Your Strategy:

1. It is necessary to draw a rough diagram and go on tabulating it side by side.
2. Take a particular note of the starting point of the moving creature or object.
3. The direction in which the creature or the object is moving should be determined carefully. In some questions the direction is to be worked out from the point of view of the moving thing. In other words in the question it is given that the person who walked towards the east turned to "his left". Clearly the direction will be different from "Your left".

PAF | INTELLIGENCE TEST



03059677107



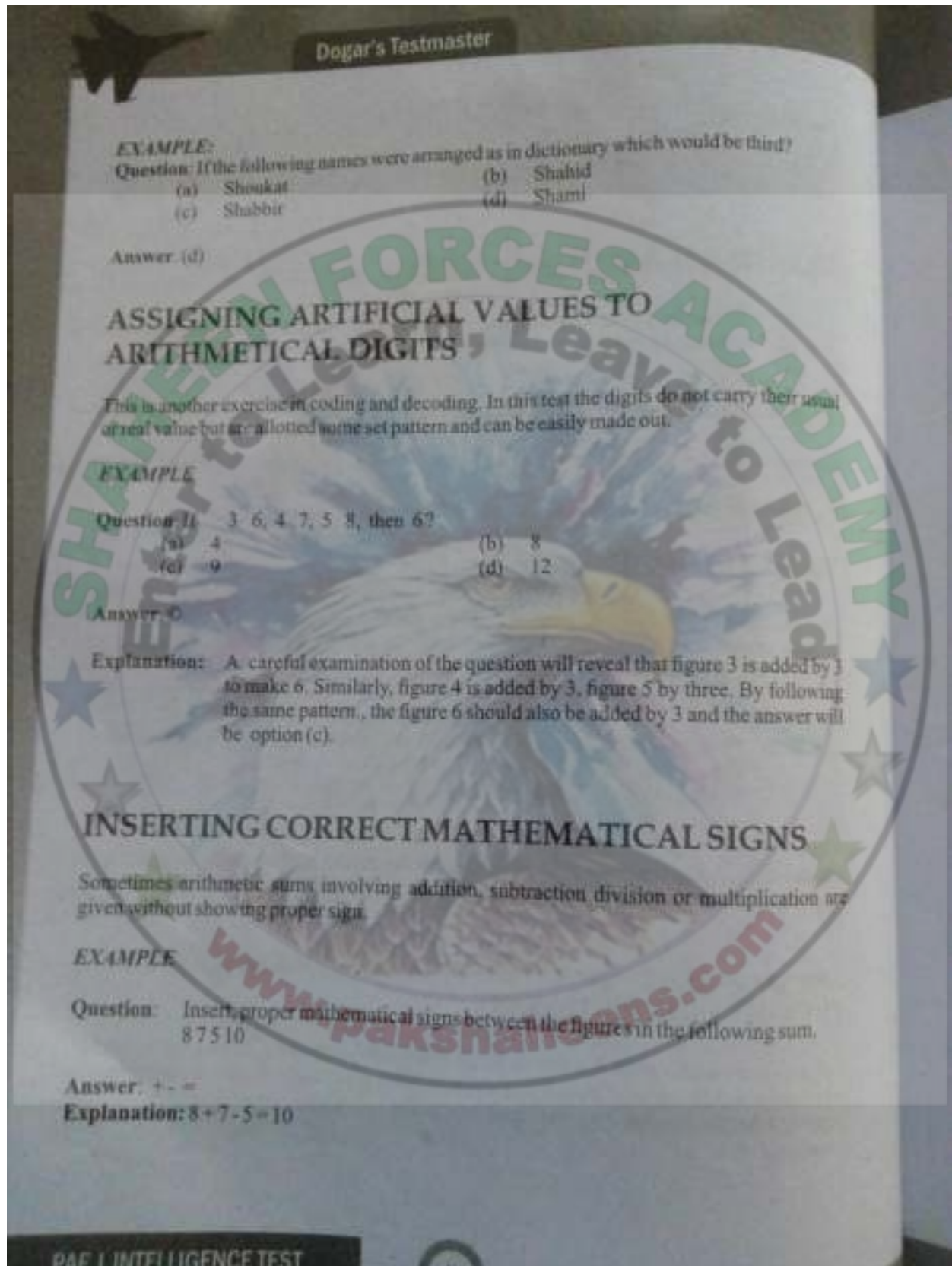
03059677107



03059677107



03059677107



03059677107

PAF | Pakistan Air Force Guide

ASSIGNING VALUES TO ARITHMETICAL SIGNS

In this type, the arithmetical signs used in the question are misleading. They carry values other than what they normally represent. For example, a multiplication sign (\times) may represent a plus ($+$) sign and division sign (\div) may represent a minus sign ($-$).

EXAMPLE

Question: Which number will come into place of the question mark in the following series?

$8 \times 4 = 42$, $6 \times 6 = 33$,
 $2 \times 2 = 11$, $4 \times 6 = 23$,
 $2 \times 8 = ?$

(a) 15 (b) 18
(c) 17 (d) 14

Answer: (d)

Explanation: A careful observation of the three equations will show that in each case the arithmetic sign is removed, and then the number is divided with 2.

The answer obviously is $28/2 = 14$ or choice (d)

Entire Preparation Leave to Lead

www.pakshaheens.com

PAF | INTELLIGENCE TEST

45

03059677107

Dogar's Testmaster

NON VERBAL INTELLIGENCE TEST

In the Non-verbal Intelligence test a student's observation power and comprehensibility are examined. Lines, Patterns & Sketches are applied in Non-Verbal Intelligence Test to test the abilities of the students.

There are three types of Non-verbal Intelligence Test:

- (i) Analogies
- (ii) Series
- (iii) Classifications

We will take them up one by one.

ANALOGIES


The figures in this type of questions are divided into Problem Figures and Answer Figures.

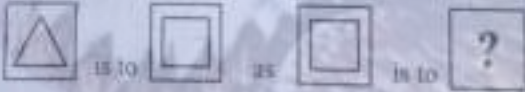
Problem Figures consist of two units - the first consisting of two figures and the other one figure and one mark of interrogation. The first two figures bear some relation with each other.

Answer figures consist of five figures generally having some resemblance with the problem figures.

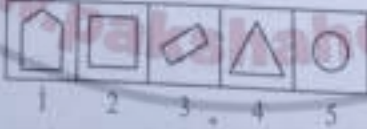
By bearing the relation of the first two figures in mind we are to pick up one figure from the answer choices that bears the same relation with the third figure as the second bears with the first.

PROBLEM FIGURES





ANSWER FIGURES



PAF | INTELLIGENCE TEST

46

03059677107

PAF | Pakistan Air Force Guide

Explanation:
Study the first and the second figures in the problem figure. The first figure is made up of three lines. The second figure is made up of four lines. That means the second figure has one line more than the first figure.


The third figure has four lines. Therefore, the fourth figure should have five lines, i.e. one more than the third.

Now look at the answer figures. You will find that Fig. 1 is made up of five lines. Therefore the answer is 1.

Types of relations between the first two figures:


- Number Relation** - The number of lines, squares, circles, triangles, dots, etc., may be the same.
- Position Relation** - The first two figures may show the similar slant or slant in opposite directions.

For Example:



Both the figures are slanting in the same directions, though one consists of a triangle and the other a circle and an arrow.

- Structure Relation** - Some accessories like circles, dots or triangles may be inside or outside the circle. For example:



- Class Relation** - The two figures may belong to the same class. For example, both may be human beings, both may be males, both may be leading material etc.
- Addition or subtraction** - In some cases something is added or subtracted from the first figure in the second figure. For example-

PAF | INTELLIGENCE TEST

47

03059677107

Dogar's Testmaster

In the above figures the tips of the horizontal line are different.

SERIES

In this type of question there are two sets of figures (problem figures and answer figures) are given. There are four figures in the set of problem figures and five in the set of answer figures.

The four problem figures have a sequence: each figure progresses on to the next figure in a particular order. Keeping this sequence in mind the candidates are to pick up one figure from the answer figures which will complete the series.

Example 1:

PROBLEM FIGURES

ANSWER FIGURES

ABCDE

As figure 1, 3 are made up of 3 lines and figures 2 and 4 are made up of 4 lines. Therefore figure 5 should be made up of 3 lines. Answer is B.

Example 2:

PROBLEM FIGURES

ANSWER FIGURES

ABCDE

The dot moves in clockwise direction by 30° and in the answer figure it comes back to its original position.

PAF | INTELLIGENCE TEST

48

03059677107

PAF | Pakistan Air Force Guide

Example 3:

Sometimes in the problem figure there are given three rows. The first two rows have three figures and the third row has two figures and a blank space. Each row has a sequence.

Keeping in view the above sequence of 02 rows the candidate has to pick up the figure from the answer figures which complete the series.

Q

| | | |
|-------|-------|--------|
| A | B | C |
| D | E | F |
| G | H | ? I |

| | | | |
|-------|-------|-------|-------|
| 1 | 2 | 3 | 4 |
| 5 | 6 | | |

Explanation: From A to B and so on, the figures of the star, circle, square, and triangle, are changing their places clockwise. The answer is 1.

PAF | INTELLIGENCE TEST

03059677107

Dugar's Testmaster

CLASSIFICATION


In this question there is only one set of five figures. Four of them can be classified under one category but one is different. The candidates are to pick up the one that is different from the rest.

Example 1:



Explanation: In the given question, four figures are lines whereas one is a circle. The four lines belong to one class. The circle does not belong to this class. Therefore, the answer is the circle, i.e., the figure 1.

Example 2:



Explanation: Study the five figures. The first four figures belong to one class as they represent living beings while the fifth figure, the triangle, is not a living thing. Therefore, the answer is 5.

Example 3:



Explanation: In this problem, you find that all the five figures are curved arrows. But four of the figures 1, 2, 3 and 5 point either up or down. Only one figure, i.e., 4 faces sideways. Therefore the answer is 4.

SHAHN FORCES ACADEMY
Enter to Learn, Leave to Lead
www.pakshaheens.com

03059677107

ACADEMIC TEST (INTELLIGENCE TEST)

ANSWER SHEET

☐ Remove this answer sheet and use it to fill in the letter choice corresponding to your answer choice. See the answer key at the end of the test to correct your answers when finished.

☐ Use only BALL PEN (Black/Blue) to shade / fill the circles. Answer sheet contains five options of answer for one question, containing alphabets from A to E inside, against each question number. You are to fill one circle you think is the right answer.

Name: _____

Date: _____ Start Time: _____ End Time: _____

| | | | | | |
|----|---|---|---|---|---|
| 1 | A | B | C | D | E |
| 2 | A | B | C | D | E |
| 3 | A | B | C | D | E |
| 4 | A | B | C | D | E |
| 5 | A | B | C | D | E |
| 6 | A | B | C | D | E |
| 7 | A | B | C | D | E |
| 8 | A | B | C | D | E |
| 9 | A | B | C | D | E |
| 10 | A | B | C | D | E |
| 11 | A | B | C | D | E |
| 12 | A | B | C | D | E |
| 13 | A | B | C | D | E |
| 14 | A | B | C | D | E |
| 15 | A | B | C | D | E |
| 16 | A | B | C | D | E |
| 17 | A | B | C | D | E |
| 18 | A | B | C | D | E |
| 19 | A | B | C | D | E |
| 20 | A | B | C | D | E |
| 21 | A | B | C | D | E |
| 22 | A | B | C | D | E |
| 23 | A | B | C | D | E |
| 24 | A | B | C | D | E |
| 25 | A | B | C | D | E |
| 26 | A | B | C | D | E |
| 27 | A | B | C | D | E |
| 28 | A | B | C | D | E |
| 29 | A | B | C | D | E |
| 30 | A | B | C | D | E |
| 31 | A | B | C | D | E |
| 32 | A | B | C | D | E |
| 33 | A | B | C | D | E |
| 34 | A | B | C | D | E |
| 35 | A | B | C | D | E |
| 36 | A | B | C | D | E |
| 37 | A | B | C | D | E |
| 38 | A | B | C | D | E |
| 39 | A | B | C | D | E |
| 40 | A | B | C | D | E |
| 41 | A | B | C | D | E |
| 42 | A | B | C | D | E |
| 43 | A | B | C | D | E |
| 44 | A | B | C | D | E |
| 45 | A | B | C | D | E |
| 46 | A | B | C | D | E |
| 47 | A | B | C | D | E |
| 48 | A | B | C | D | E |
| 49 | A | B | C | D | E |
| 50 | A | B | C | D | E |

PAF I INTELLIGENCE TEST 262

03059677107

VERBAL INTELLIGENCE TEST

PRACTICE TEST NO. 1

Directions:
Each questions in the following section are based on Intelligence Test questions. Each of the following questions is followed by some choices. Select the correct choice in each case.

1. Which choice mentions the last letter of the word re-arranged from the following jumbled spellings?
ENGRAST

Choices:
(1) E (2) A
(3) S (4) N

2. I walked North for 4 kilometers, turned to my left and walked 6 kilometres, then turned to my right again and walked 4 kilometres. Which of the choices mentions the distances from the starting point to the place where I stopped?

Choices:
(1) 15 (2) 14
(3) 20 (4) 10

3. One of the figures is out of step in the following series. Spot out the odd figure:
A. 3, 5, 8, 12, 17, 20, 23

4. Write the numbers of the two words which have the same relationship as BIRD and CAGE from:

Choices:
(1) PRISONER (2) COURT
(3) STABLE (4) JUDGE
(5) HORSE

5. Which choice mentions the required words?
WATCH is to TIME as
BAROMETER is to

Choices:
(1) Mercury (2) Gas Cylinder
(3) Pressure (4) Temperature

6. Which choice mentions the answer?
If $1 + 1 = 2$, $2 + 3 = 13$, $3 + 3 = 18$
Then $4 + 3 = ?$

Choices:
1. 22 2. 25
3. 23 4. 16

7. Which choice mention the two letters that should come next in the following series in the correct order?
A. A C F J _____

Choices:
(1) H (2) O
(3) U (4) M

8. (a) If D C F means BAD, then ECV means _____
Which choice mentions the last letter of the above required word?

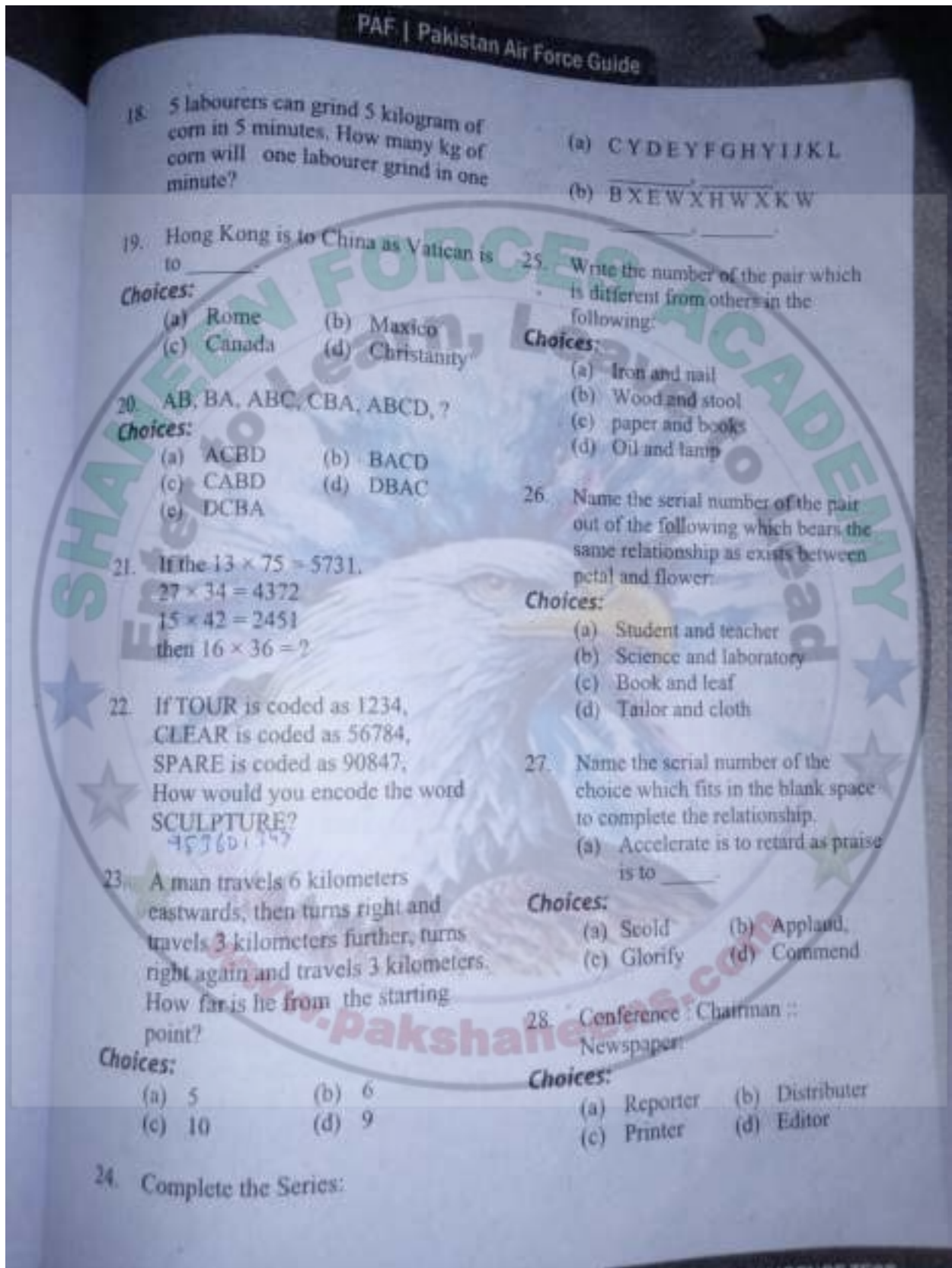
Choices:
(1) E (2) A
(3) S (4) T

PAF | INTELLIGENCE TEST

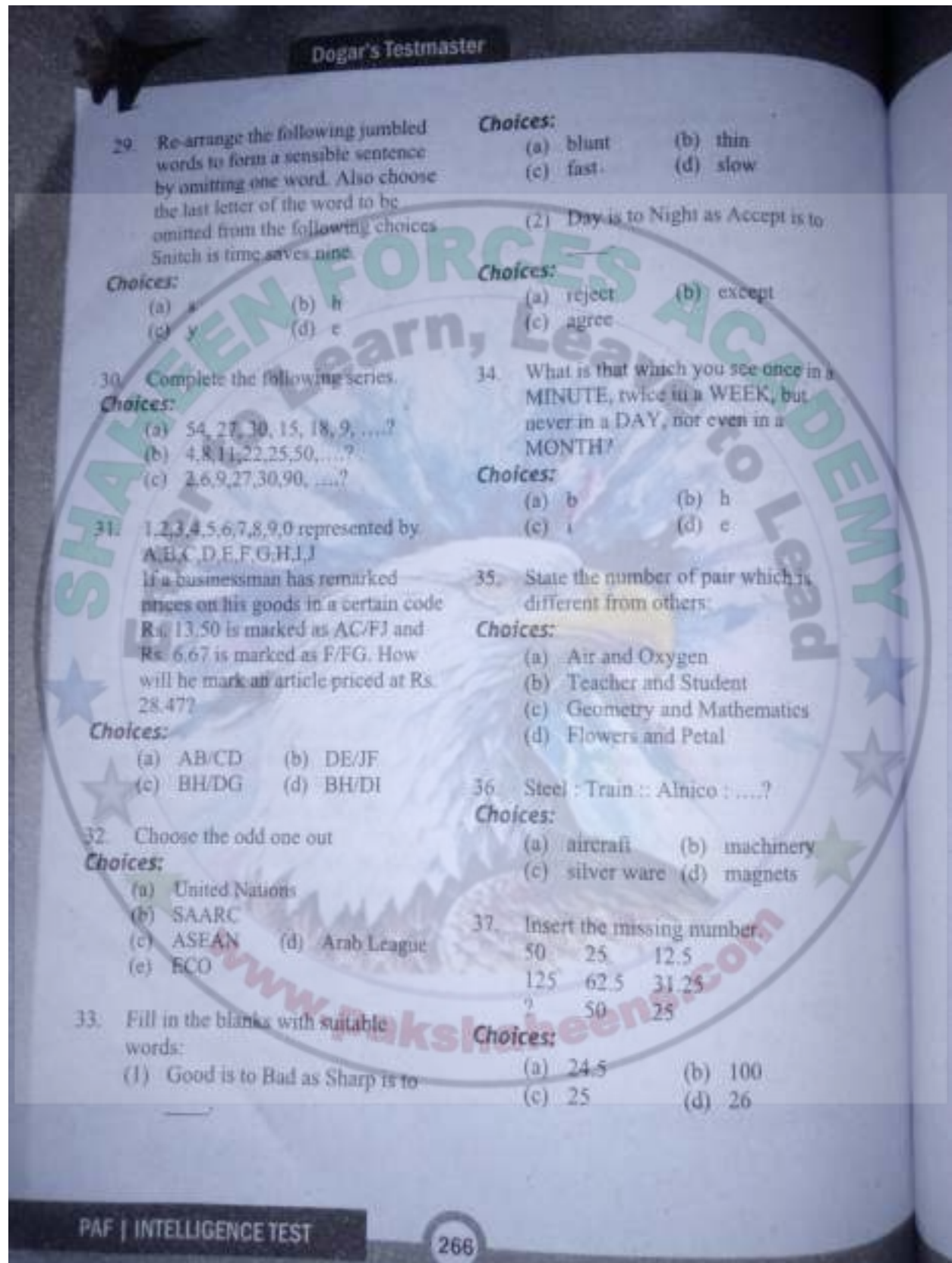
03059677107



03059677107



03059677107



03059677107



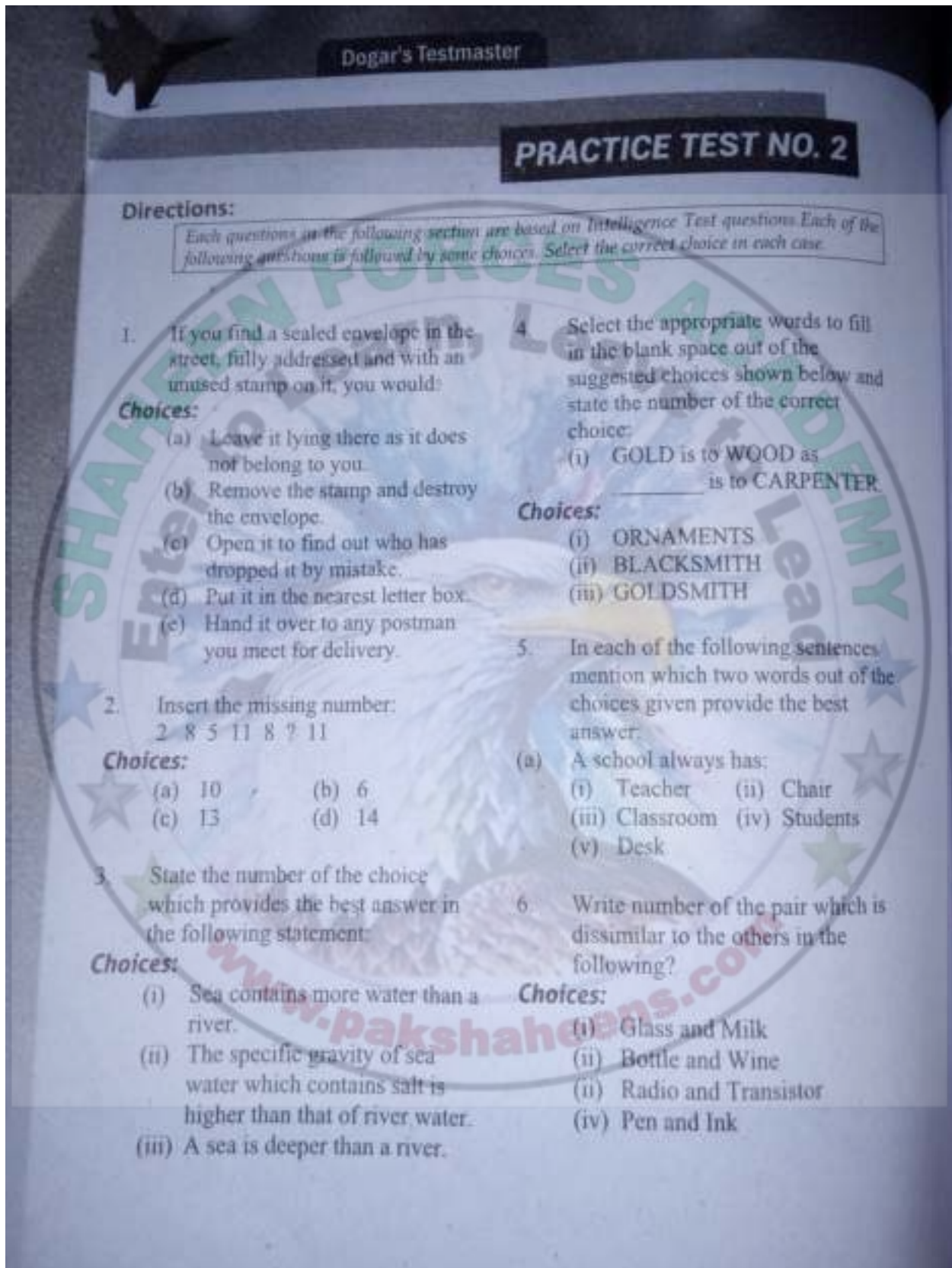
03059677107

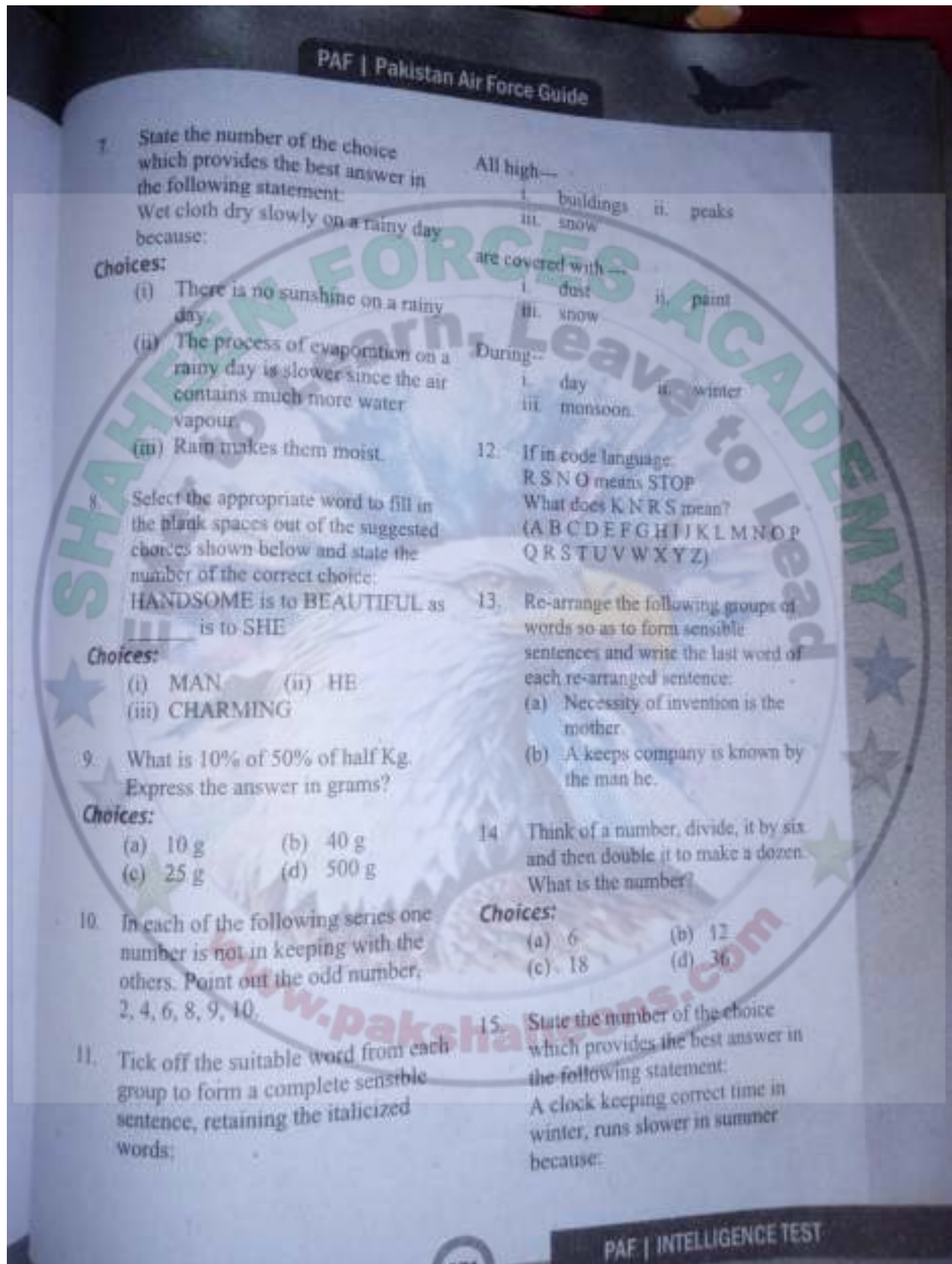


03059677107

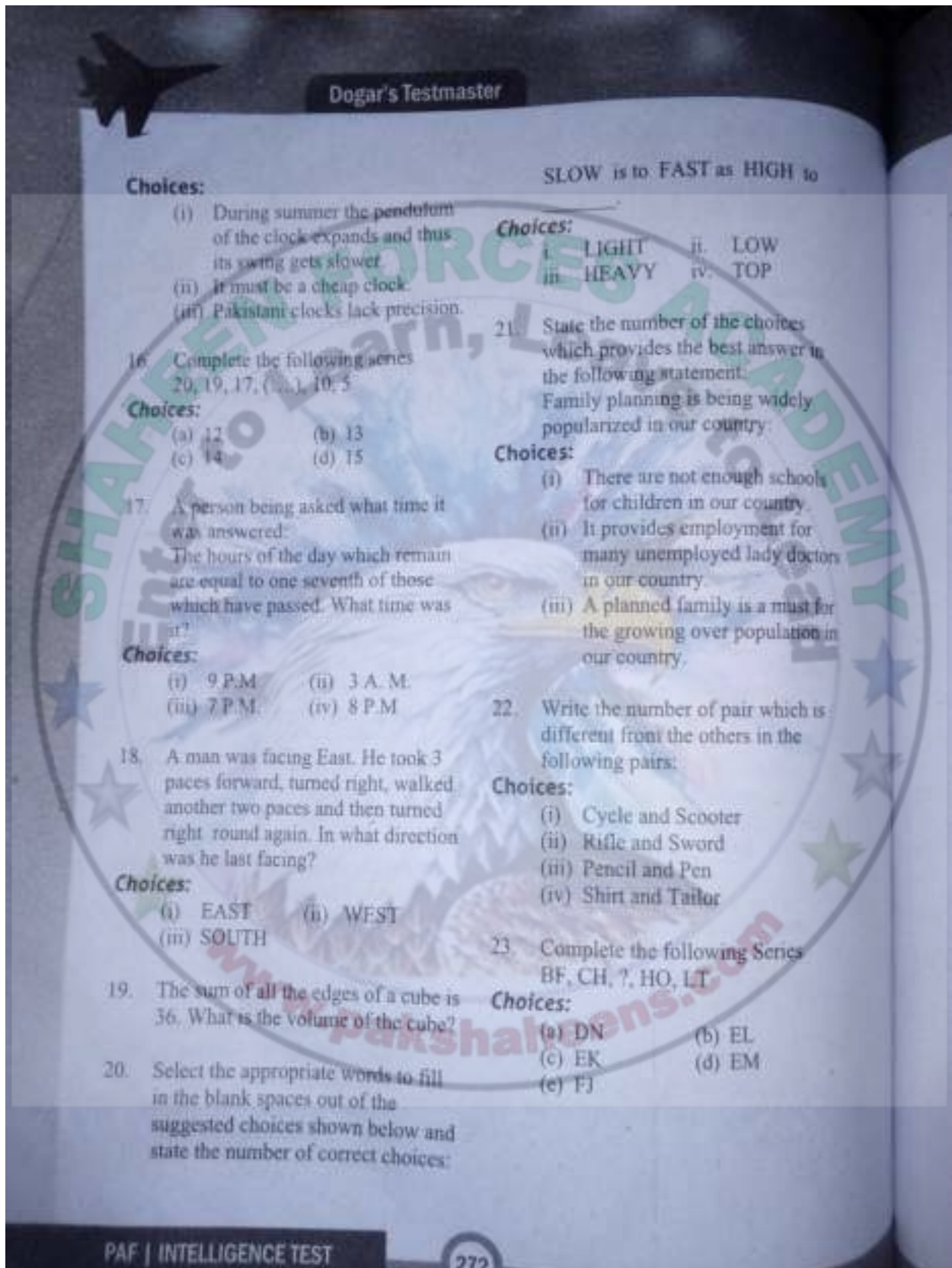


03059677107

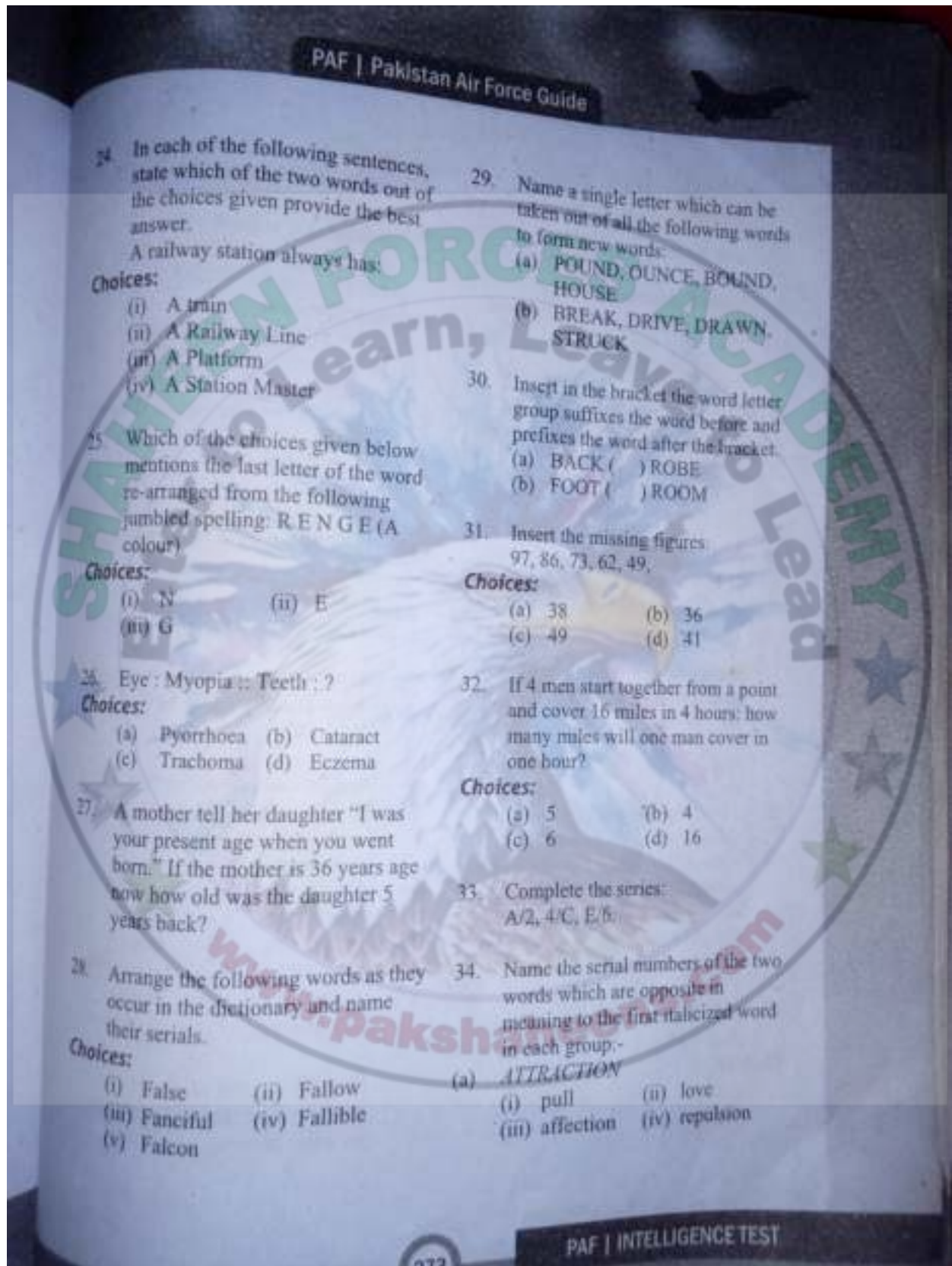




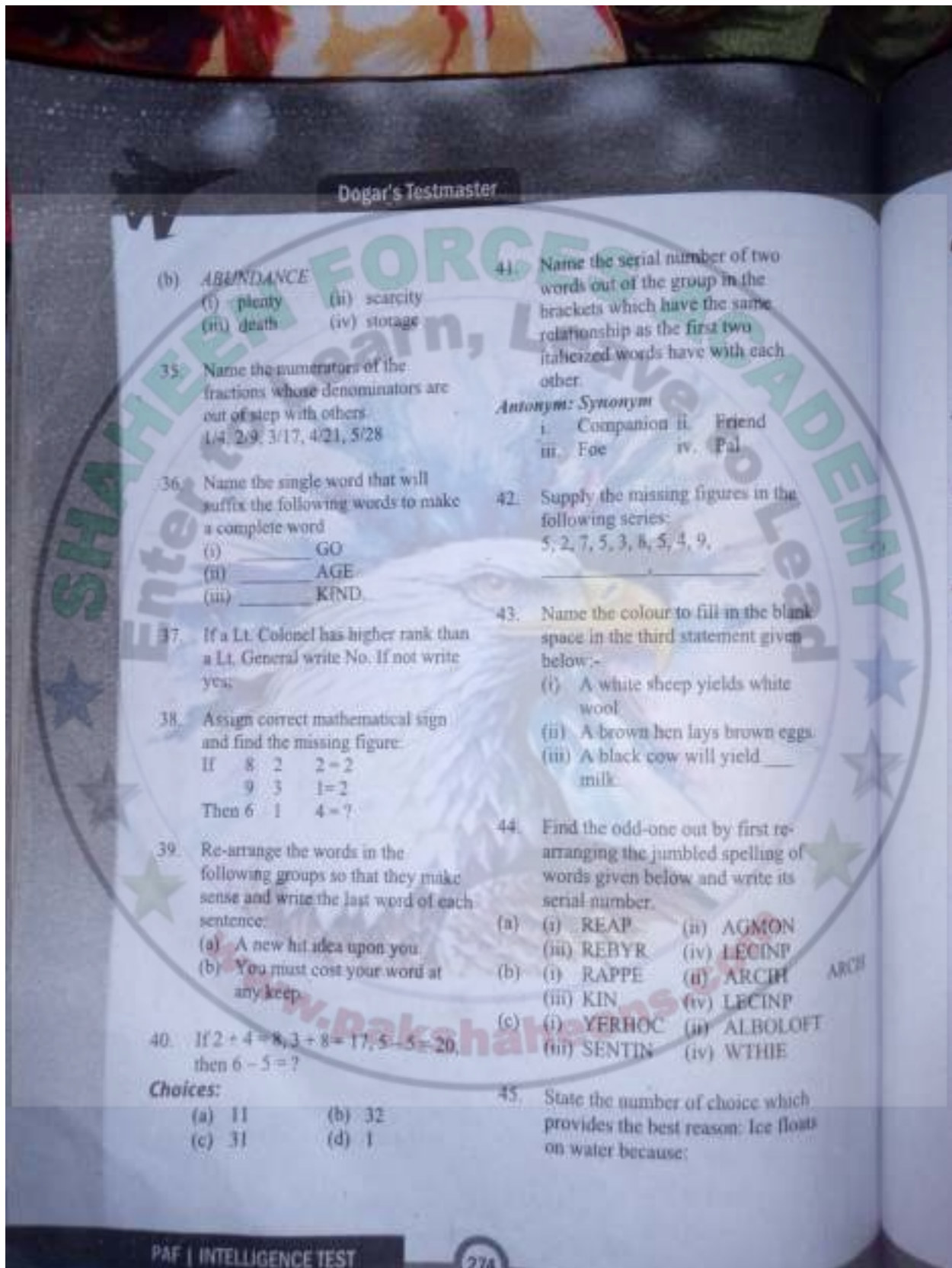
03059677107



03059677107



03059677107





03059677107



03059677107



12. If 6145 stands for FADE, and 9451 stands for IDEA, What does 8978 stand for?
13. State the number which when multiplied by itself exceeds half a century by a dozen plus two.
14. Spot out word which is different from other in the same group.
Choices:
(i) DOG (ii) COW
(iii) CAMEL (iv) HEN
(v) HORSE
15. The two words in each of the following pairs have similar meaning but their spellings are jumbled.
Write the correct words:
USER, NACITER
16. Fill in the blanks:
% is to % as 20x is to _____.
Choices:
(a) 10x (b) 20x
(c) 30x (d) 15x
17. What is that which is neither found in a LINE nor in a CIRCLE, is found once in TRIANGLE but thrice in a QUADRILATERAL?
18. If B becomes N and C becomes O, what will K and L becomes?
19. Re-arrange the following group of words in the natural sequence in relation to the word shown in brackets:
(ESSAY)
(i) TRIM (ii) READ
(iii) THINK (iv) REVISE
(v) WRITE
20. Name the single letter which when taken out of each of the following words from entirely new words.
Choices:
(a) STRING (b) BREAD
(c) HURT (d) BREAST
21. Re-arrange the following words as they occur in the dictionary.
Choices:
(i) REACTION (ii) READ
(iii) REACH (iv) REBATE
(v) REACTIVE (vi) READY
22. Re-arrange the following groups of jumbled words to form a sensible sentence and write the choice which mentions the last letter of the correct sentences:
The bravely field soldiers in all the fought battle.
Choices:
(i) Soldier (ii) Bravely
(iii) Field
23. If the 15th of the month falls on the day preceding Sunday, on what day will the 6th of the month fall?
24. If $20 - 4 = 10$ and $30 - 6 = 10$
Then $40 - 8 = ?$

25. Supply the missing figures?
6, 10, 7, 11, 8, 12, 9, _____

26. A man covers 8 meters towards North, turns West and covers 12 metres, then turns south and covers 4 meters and then turns East and covers 12 meters. How far is he now from the starting point?

27. Three masons can build one-fifth of a wall in 4 days. How much of it will be built by 5 masons in 2 days?

28. If C A F E is coded as 3165, and H I D E is coded as 8945, How will you encode HEAD?

29. Pointing to a girl, woman said, "Her mother was the only daughter of my mother". What is the girl to the woman?

30. Name the serial of the word which is of a different class from others in the following:

Choices:

- (i) BLUE (ii) GREEN
(iii) SHINING (iv) YELLOW
(v) RED

31. Re-arrange the jumbled spelling of the following words to form sensible words:

- (a) W H E P E N (A blood relation)
(b) S H O R E (An Animal)

32. Arrange the following words in the descending order:

Choices:

- (a) COUNTRY
(b) DISTRICT
(c) VILLAGE
(d) TOWN
(e) STATE

33. Answer the following question on integers from 1 to 12:-
(1 2 3 4 5 6 7 8 9 10 11 12)

Choices:

- (a) Largest even number of 4 digits
(b) Smallest odd number of 5 digits
(c) The sum of all even numbers
(d) The sum of all the odd numbers

34. Name a single letter which when included in the following words forms entirely new words:

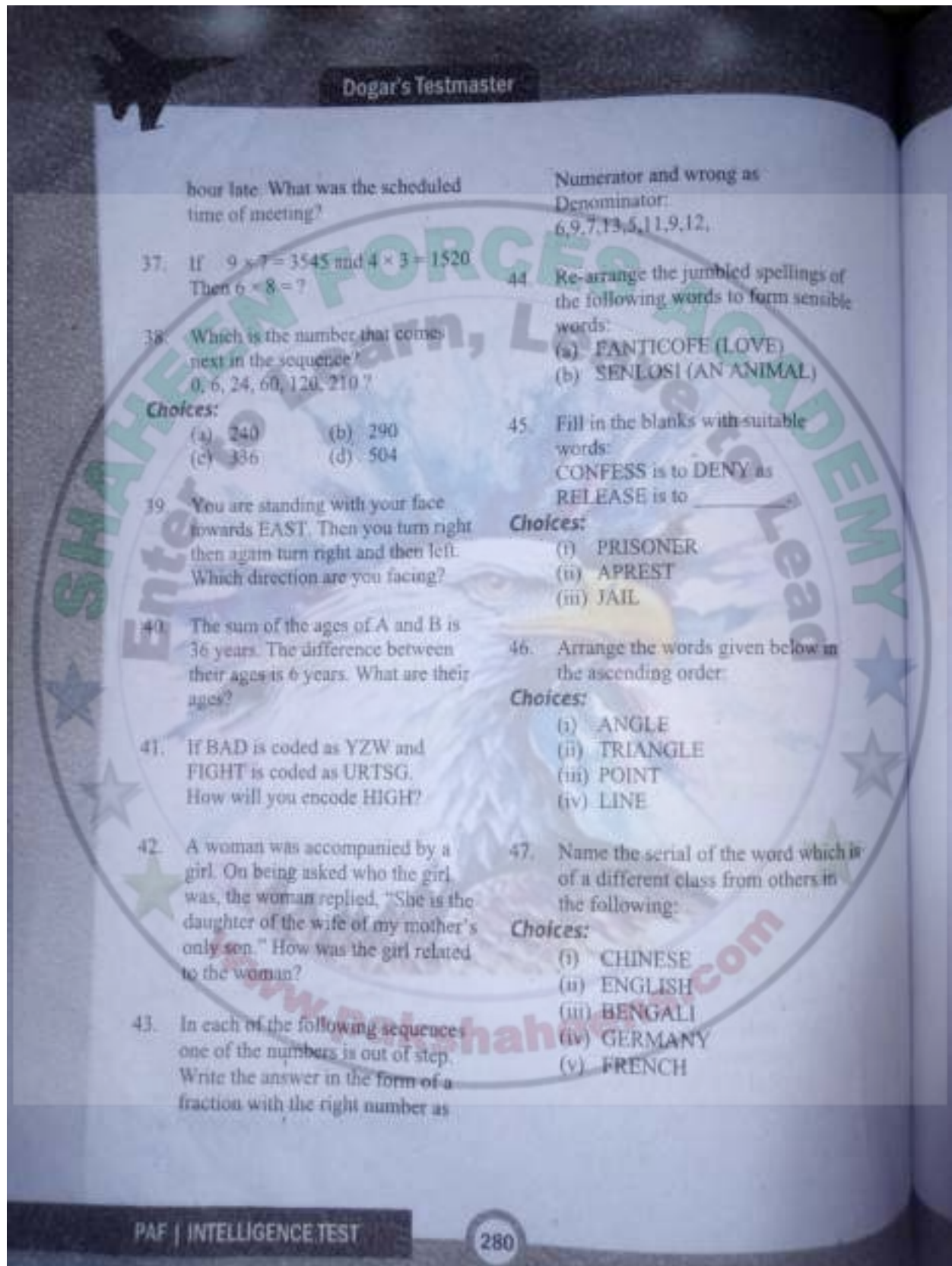
Choices:

- (a) BUSH (b) TEND
(c) STING (d) LEAN
(e) GEM

35. Re-arrange the following groups of jumbled words to form sensible sentences and state the last letter of each sentence.

- (a) I thing to do would such a hate ever.
(b) Smoke his all in ended efforts.

36. Reaching a place of meeting on Wednesday at 11:45 A.M. I found myself 15 minutes earlier than the man who was three quarters of an





Dogar's Testmaster

ANSWER KEY TEST NO. 3

| | | | |
|----|-------------------------------|----|------------------------------|
| 1 | (ii) | 27 | 1/6 |
| 2 | V | 28 | 8514 |
| 3 | v, iii, iv, ii | 29 | DAUGHTER |
| 4 | ii | 30 | iii |
| 5 | vii, viii, iii, i | 31 | (a) NEPHEW (b) HORSE |
| 6 | KEEPS | 32 | (a), (c), (d), (b), (c) |
| 7 | SATURDAY | 33 | (a) 9998 |
| 8 | (a) | 34 | (a) R |
| 9 | 5, 10 | 35 | (a) THING (b) SMOKE |
| 10 | 7 Kilometres | 36 | 11:15 AM |
| 11 | 28 | 37 | 4030 |
| 12 | HIGH | 38 | (c) |
| 13 | 8 | 39 | SOUTH |
| 14 | iv | 40 | 21:15 |
| 15 | SURE CERTAIN | 41 | SRTS |
| 16 | (d) 153 | 42 | NIECE |
| 17 | A | 43 | 8/5 |
| 18 | W, X | 44 | (a) AFFECTION (b) LIONESS |
| 19 | (iii), (ii) (v), (i), (iv) | 45 | ii |
| 20 | R | 46 | i, iv, iii, ii |
| 21 | iii, i, v, ii, vi, iv | 47 | iv |
| 22 | iii | 48 | O |
| 23 | THURSDAY | 49 | N/R |
| 24 | 10 | 50 | L |
| 25 | 13, 10 | | |
| 26 | 4 metres | | |

www.pakshaheens.com

PAF | INTELLIGENCE TEST

282

Directions:
Each questions in the following section are based on Intelligence Test questions. Each of the following questions is followed by some choices. Select the correct choice in each case.

PRACTICE TEST NO. 4

1. Insert the missing letter:
G J M
M P S
R U _

2. If $47 \times 72 = 7742$
 $32 \times 39 = 2339$
 $58 \times 92 = 8952$
Then $16 \times 85 = ?$

3. MOUNTAIN is to HEIGHT as
WELL is to _____
Choices:
(a) DEPTH (b) WATER
(c) LOW (d) DRINK

4. What is that occurs twice in TEXTILE and COMMITTEE but never in ECHO? Can you identify it?

5. An uncle is older than his nephew by 10 years. Fifteen years ago, uncle was twice as old as his nephew. What are their respective ages?

6. In the series 7, 14, 28, ..., what will be the 10th term?
Choices:
(a) 1792 (b) 2456
(c) 3584 (d) 4096

7. If $2 \times 3 = 64$

8. A's father is my father's only son. What is A's relationship to me?

9. Provide the missing number:
2 7 24 77 _____

10. Insert the missing letter:
M N O L R I V _____

11. Re-arrange the following sentence in the proper order. She and fell down slipped stairs the.

12. If $8 \times 2 - 5 = 20$
 $12 \times 4 - 8 = 24$
 $16 \times 8 - 9 = ?$

13. Which number, when multiplied by another number greater than it by 3, gives a product 12 short of 100.

14. Which of the following words is different from the rest electorate acacia identify octavo.

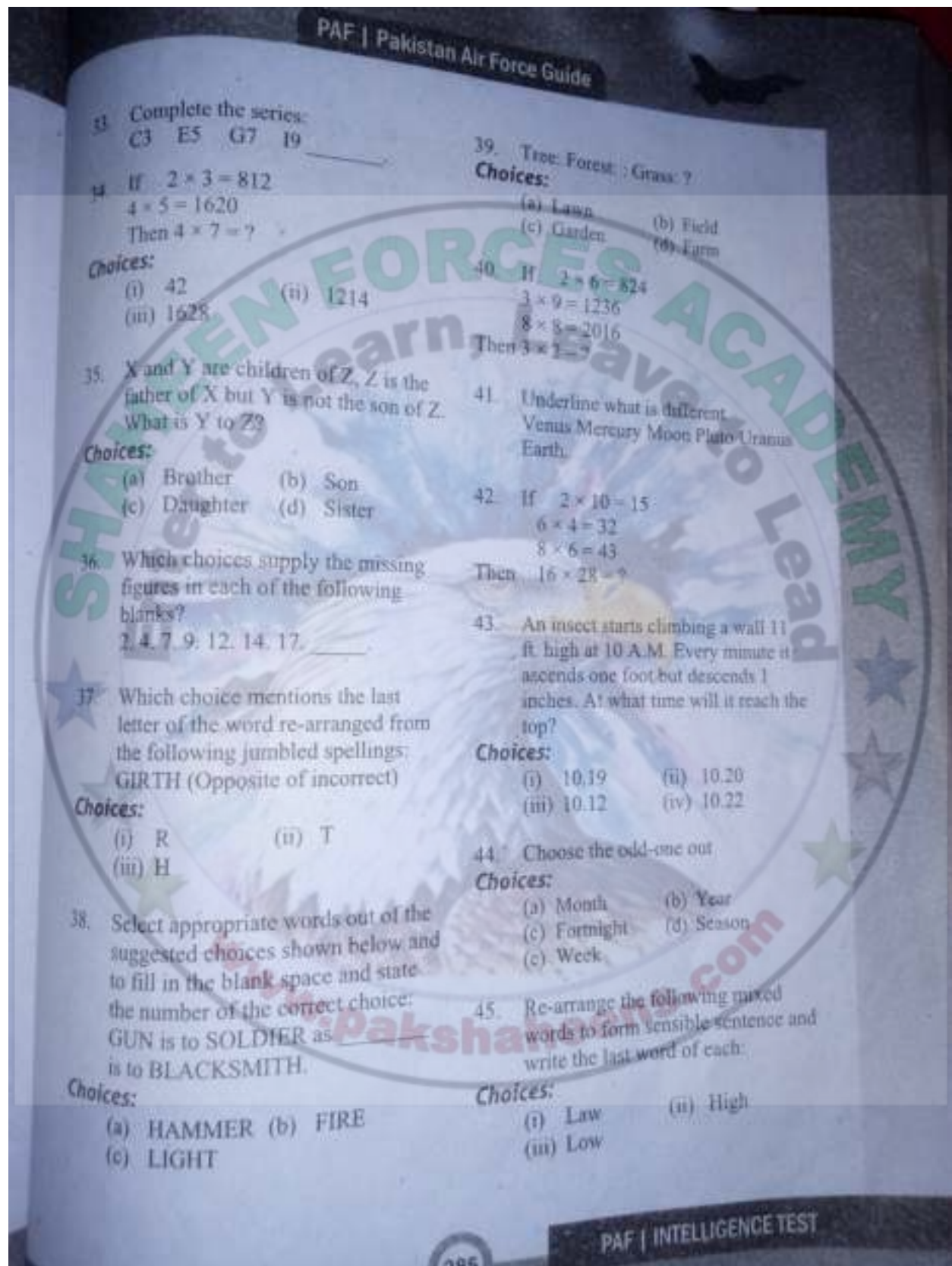
15. Insert the missing number:
4 3 5 7
8 2 6 10
7 4 16 7

PAF | INTELLIGENCE TEST

283

Dogar's Testmaster

16. Insert the missing letter:
B E I N _____
17. A certain number is less than the number obtained by reversing the digits by 9. Also the sum of the two numbers is 77. Find the number.
18. What is that one letter which when deleted, changes entirely the meaning of the following words:
Choices:
(a) Till (b) Twin
(c) Told (d) Task
19. Re-write the following sentences in its proper order:
Is the name woman, frailty.
20. If $34 \times 52 = 5423$
 $16 \times 28 = 2681$
 $9 \times 7 = 79$
Then $327 \times 403 = ?$
21. Underline the odd-one out among the following:
931 454 337 409 812 940 382
22. Provide the missing number:
5 7 13 17 29 37 81 _____
23. Underline odd-one out from the following words:
Nothing abase together strength decrease effort.
24. Insert the missing number:
4 5 11 _____
25. Insert the missing letters and write the complete word:
LA _____ O _____ E. (It is the name of the city).
26. If $8 \times 9 = 2724$
 $4 \times 2 = 612$
 $7 \times 3 = 921$
Then $6 \times 8 = ?$
27. Find the missing number:
13 43 15
5 37 16
17 _____ 5
28. At present B's age is to A's age in the ratio of 4:3, but 15 years ago it was in the ratio of 3:2. Find their ages.
29. Underline the one that is different:
Karachi Moscow Paris Washington
30. Which European country has the oldest parliament?
31. Insert the missing number:
5 25 20
3 18 12
7 21 ?
32. Insert the missing letter:
T K B
W N U
Z Q ?



Dogar's Testmaster

46. An aeroplane flies twice as fast as a railway train. If the latter covers 60 kilometres in an hour and a half, what distance will the aeroplane cover in 7 minutes?

Choices:

- (i) 30 kilometres
- (ii) 28 kilometres
- (iii) 50 kilometres

47. Point x is NORTH of point y and point y is EAST of point z. To which direction is point x with respect to z?

Choices:

- (i) NORTH EAST
- (ii) NORTH
- (iii) EAST

48. The day that will come after two days after TOMORROW will be

FRIDAY What was the day that dawned two days before YESTERDAY?

Choices:

- (i) FRIDAY
- (ii) SATURDAY
- (iii) SUNDAY

49. Monday is to February as Friday is to?

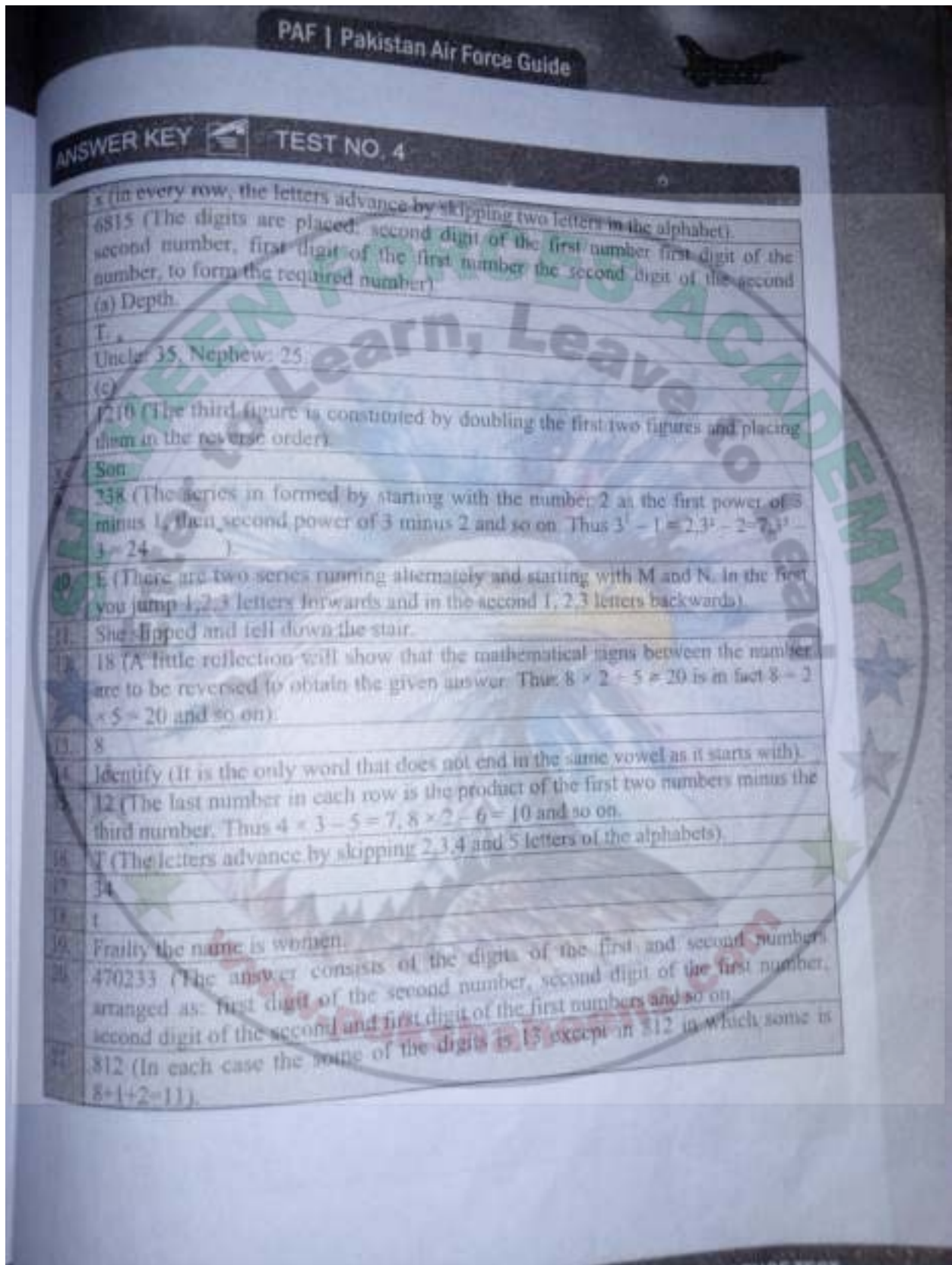
Choices:

- (i) MAY
- (ii) JUNE
- (iii) JULY

50. If 5 boys write 5 pages in 5 minutes. In how many minutes can 1 boy write 1 page?

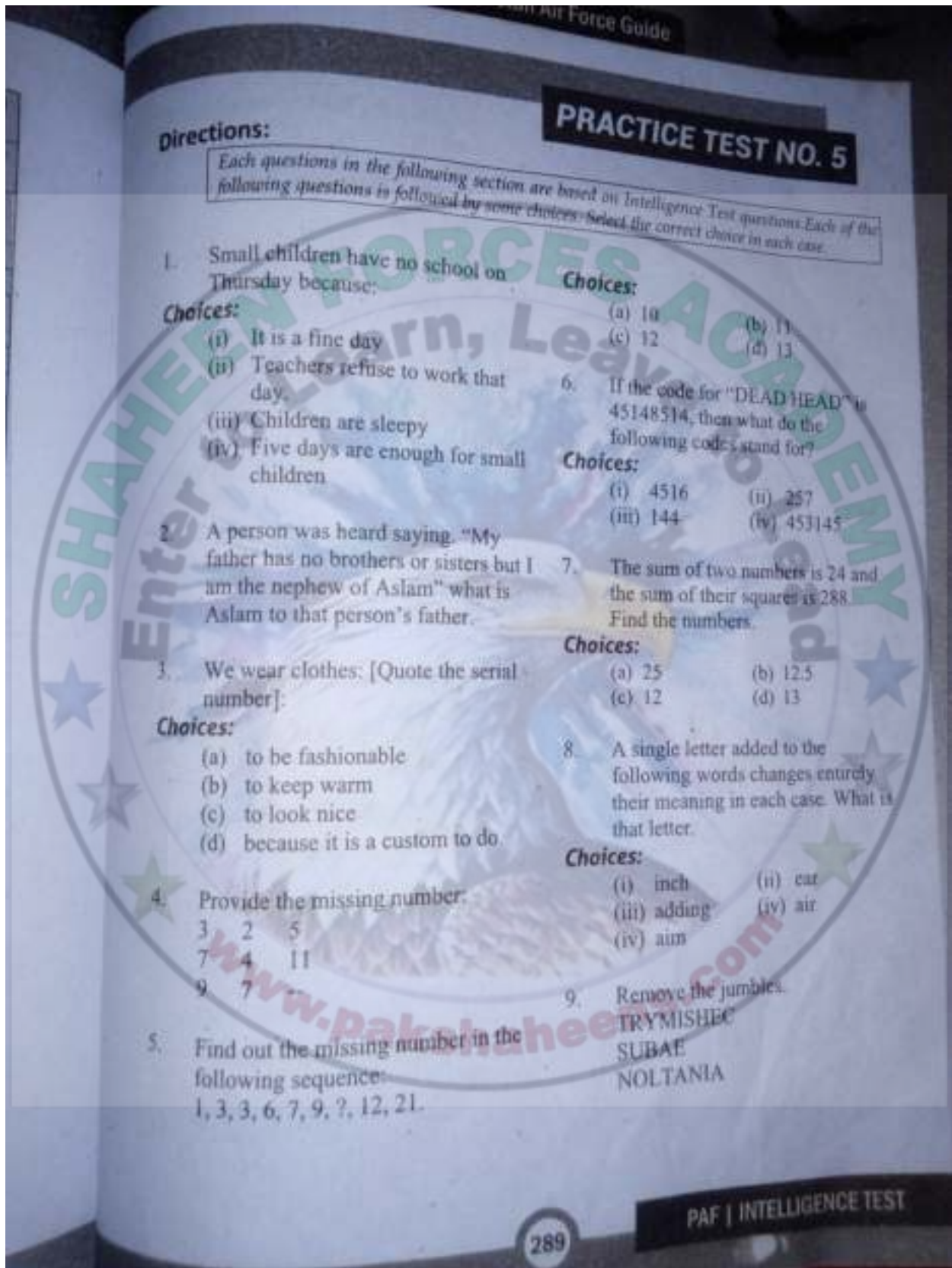
Choices:

- (i) 1
- (ii) 5
- (iii) 1/5



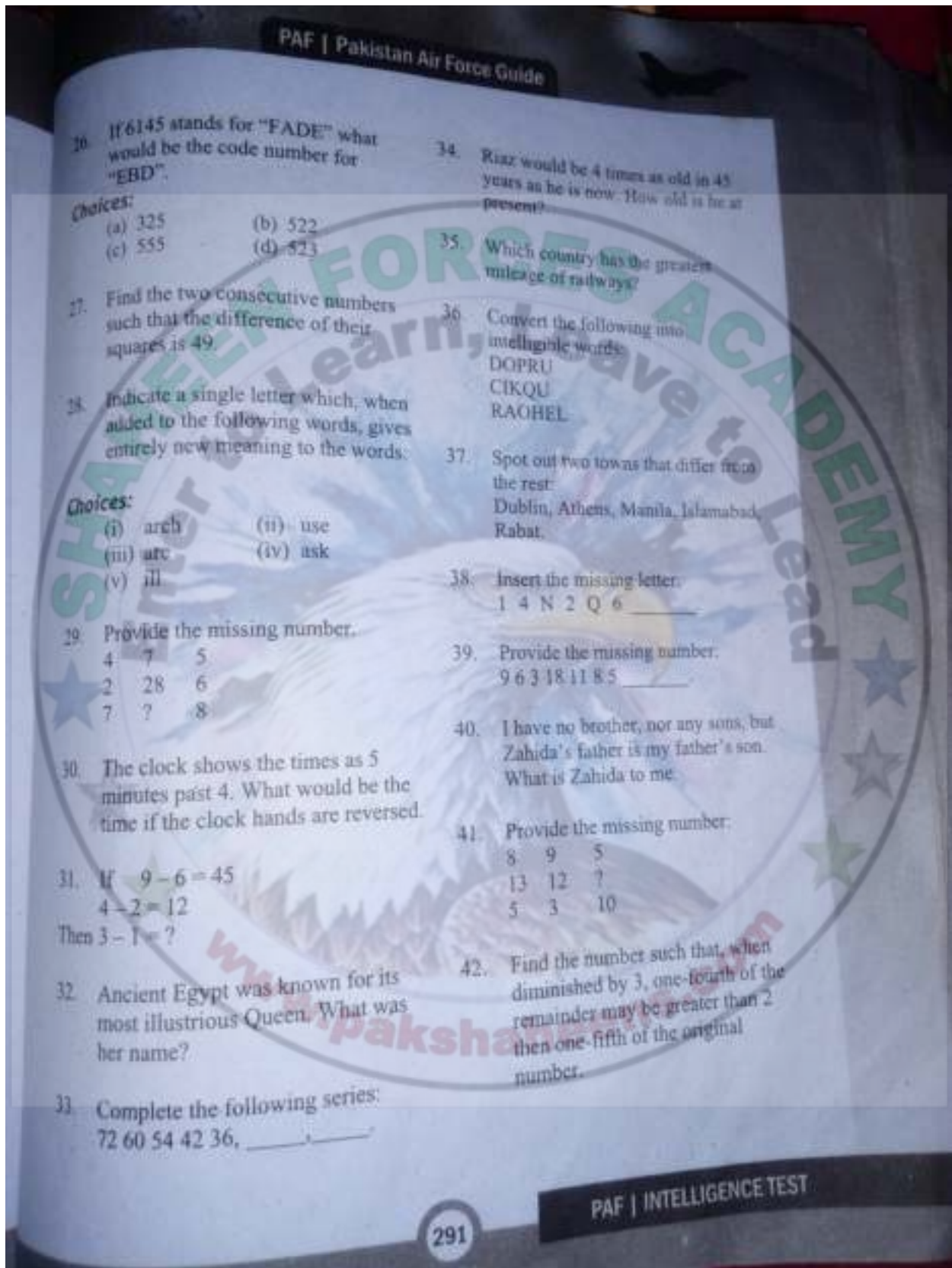
Dogar's Testmaster

22. 77 (Third number is doubled the first number plus 3, the fourth number is double the second number plus 3 and so on. Thus $5 \times 2 + 3 = 13$, $7 \times 2 + 3 = 17$ etc.)
23. Together (In the rest of the words, the first and the second letters are the consecutive letters in alphabet).
24. 13 (The last figure in every row is the difference of the product and sum of the first two numbers of the row. Thus $(4 \times 5 - 4 + 5) = 11$, $(7 \times 9) - (7 + 9) = 47$).
25. H, R
26. 2418
27. 27 (The middle number in made up (in every row) by adding the first number with twice the third number. Thus $13 + 15 \times 2 = 43$, $5 + 16 \times 2 = 37$, $17 + 5 \times 2 = 27$).
28. B, 60 years, A, 45 years
29. Karachi (All others are towns on rivers).
30. Iceland
31. 18 (In each row, divide the middle figure by the first figure and subtract it from the middle figure. This is the last figure of the row).
32. X (In each column, the letters advance by two letters in the alphabet).
33. KFI
34. (iii)
35. (d)
36. 19, 21 (here there are two series i.e. 2, 7, 12, 17 and 4, 9, 14 and both the series increase by 5 each times)
37. The word is RIGHT Hence its answer is.
38. (a)
39. (a) : A forest consists of trees and a lawn is made up of grass.
40. 128 (Multiply the two numbers on the left by 4 in each case and place them in the same manner together on the right to make the required number. Thus 2×6 would be 2×4 and 6×4 placed together or 824 and so on).
41. Moon (It is the only satellite among the planets).
42. 814 (Half the digits and place them side by side. Thus $(16 \times 28 = 814)$).
43. (iii) 11 ft. = 132 inch. It means the insect has to cover 132 inches. Every minute it ascending 11 inches. So 11 into $11 \times 12 = 132$ thus the answer is 10:12
44. (d)
45. (iii)
46. (ii)
47. (i)
48. (i)
49. (i)
50. (ii)



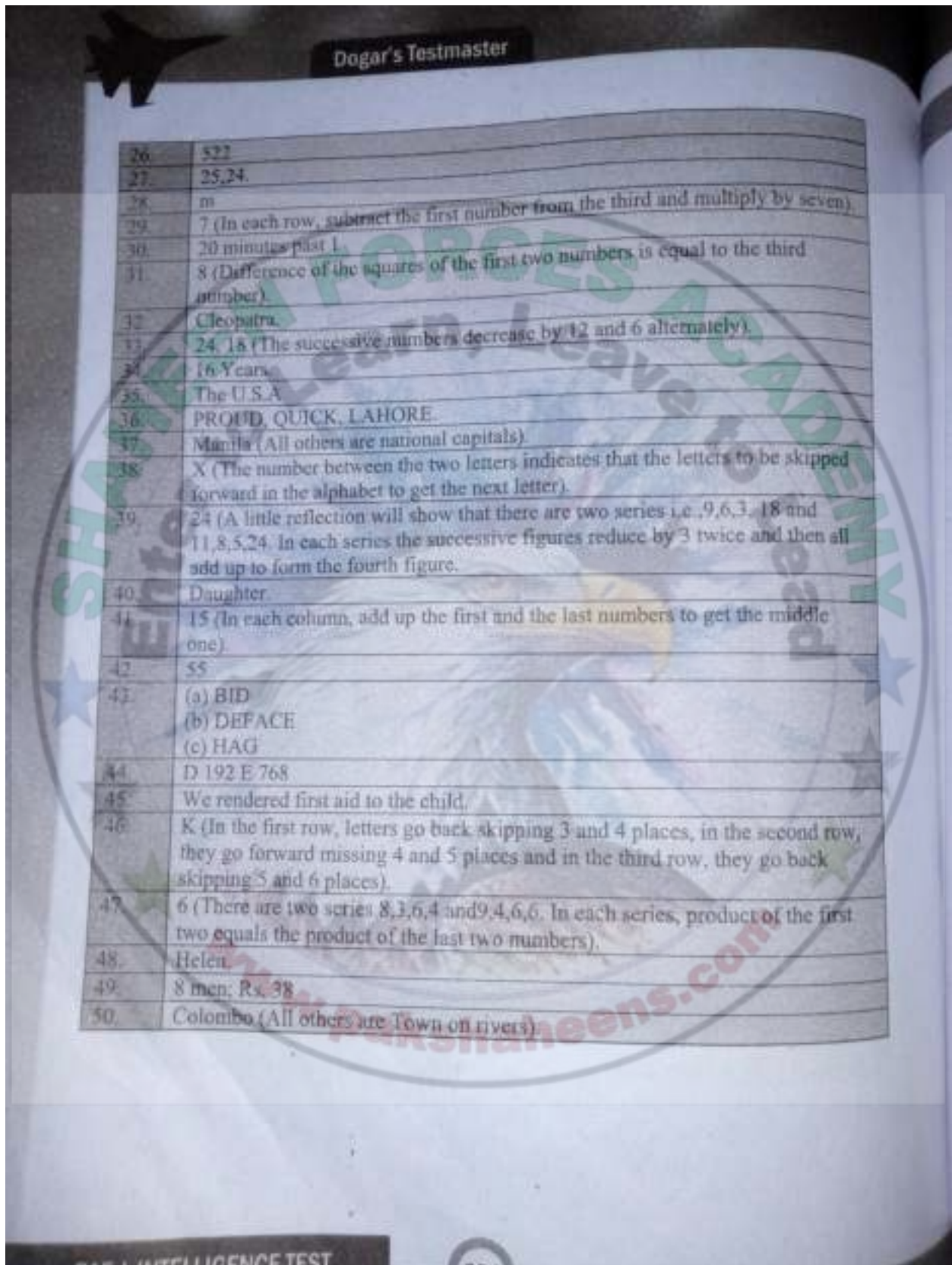
Dogar's Testmaster

10. Insert the missing letters:
 B A D
 G O D
 ? R T
11. Insert the missing numbers:
 2 5 4 7 6 _____
12. A house and a garden were bought for Rs. 1000, the cost of the house was 5 times that of garden. Find the price given for each.
13. ABOLISH is to TERMINATE as ABORTIVE is to _____.
Choices:
 (a) Futile (b) Cancel
 (c) Renounce
14. Re-arrange the following words in such a manner that they form intelligible sentence.
 Out in sunlight give oxygen plants.
15. Underline the odd-one out from the following number:
 429 213 1452 137 273
16. Insert the missing letter:
 J M R
 D G ____
 M P U
17. If $8 - 4 = 4$
 $15 - 5 = 9$
 Then $9 - 3 = ?$
18. The clock strikes nine. What will be the time if the hands of the clock are reversed?
19. In which countries are the following coins used?
Choices:
 (i) Yen (ii) Kyat
 (iii) Dinar (iv) Rupee
20. In a class of 15 children, boys outnumber the girls by 15. How many girls are there in the class?
Choices:
 (a) 0 (b) 12.5
 (c) 20 (d) 15
21. If $52 + 18 = 16$
 $38 + 42 = 17$
 $13 + 28 = 14$
 $37 + 78 = ?$
22. Spot the odd-one out in the following
 New York, Rangoon, Singapore, Islamabad.
23. Which country leads in the production of coffee?
24. Spot out which are different from the rest:
 Havana, Bonn, Cairo, Lahore, Islamabad
25. Provide the missing number:
 8 4 32 7 5 _____









Practice Guide

PRACTICE TEST NO. 6

Directions:
Each questions in the following section are based on Intelligence Test questions. Each of the following questions is followed by some choices. Select the correct choice in each case.

- If 3 clothes hung together are dried up in 3 hours, in how many hours will 6 clothes hung together dry up?
- $5 \times 4 = 45$, $15 \times 48 = 8431$, then $36 \times 47 = ?$
Choices:
(a) 4736
(b) 3764
(c) 7463
- A father tells his son, 'I was your present age when you were born. If the father is 58 now, how old will be the boy 5 years later.
Choices:
(a) 20 year
(b) 34 year
(c) 40 year
(d) 29 year
- Complete the following series:
3, 5, 6, 10, 9, 15, 12,?
- If SLEEP is coded as X M K K B, SPEAR is coded as X B K O Y, and PULL is coded as B F M M then how would you encode the word PLEASURE?
- Which choice mentions the last letter of the word re-arranged from the following jumbled spelling
Choices:
(a) RATPRO is a bird.
(b) MENSURIT is end of a journey.
(c) DENLAC helps in darkness.
(d) DREALPO is found in jungle
- If $9 \times 9 = 84$
 $10 \times 10 = 103$
Then $11 \times 11 = ?$
- Re-arrange the words to form a sentence by emitting one word out of the jumbled words and write down the last letter of the word to be omitted.
"Garden health is fresh for essential air".
Choices:
(1) n (2) s
(3) r (4) l
- Which pair of number does not belong to the same class?
Choices:
(a) 2014 - 2010 (b) 77 - 74
(c) 1113 - 1105 (d) 8 - 6
(e) 230 - 229

PAF | INTELLIGENCE TEST

295

10. Which group of letters does not belong to the same class as others?

Choices:

- (a) DCIQR
- (b) UVFON
- (c) JILBA
- (d) GPGWY

11. Find out from among the choices the two correct words that can be formed by using the word in Capitals once only.

EXHIBITION

- (a) HINT
- (b) NOTE
- (c) NIB
- (d) BITS
- (e) EXIT

12. If a piece of rope 20 ft long is cut into 2 pieces so that one is $\frac{2}{3}$ as long as the other, how long will the longer piece be?

13. If 17 when subtracted from 13 leaves 4, write 7 unless 15 when subtracted from 22 leaves 7 in that case write 9.

14. A is father of B but B is not A's son. What is relationship of B to A?

Choices:

- (a) Uncle
- (b) Cousin
- (c) Daughter

15. If 161 is divisible by 7, write 9 as the answer unless 169 is divisible by 3, in that case write the number 5.

16. If the following words are re-arranged to make the best sentence, with what letter would the second word of the sentence begin?

Money the works more harder the man a earns he.

17. Which of the following pairs of words is most unlike the other three pairs?

Choices:

- (a) Grass, Lawn
- (b) Start, Begin
- (c) Street, Road
- (d) Pretty, Ugly

18. One number is wrong in the following series. What should that number be?

10, 11, 13, 16, 20, 25, 30, 38,

Choices:

- (a) 11
- (b) 16
- (c) 25
- (d) 10
- (e) 30

19. One of the numbers is wrong in the following series. What should that number be?

1, 2, 5, 6, 9, 10, 13, 14, 16, 18

Choices:

- (a) 5
- (b) 16
- (c) 13
- (d) 14
- (e) 9



Choices:

- (a) 201 (b) 240
(c) 24 (d) 12

30. If the following words were arranged to form the best sentence, with what letter would the second word begin?

The shining as means about same bright

31. A Meter is to Distance as a Clock is to _____

Choices:

- (a) Its hands
(b) An hour
(c) Time
(d) Watch
(e) Alarm

32. In 10 years' time Rahim's father would be twice as old as Rahim would be then. If Rahim's age now is 15 years, what is the age of Rahim's father?

Choices:

- (a) 30
(b) 40
(c) 60
(d) 35

33. If 4 plus 5 make 8, write 'Yes' unless 16 divided by 4 makes 4, in that case write 'No'

34. RANI and SHABNAM started walking from a place X, RANI went

west and SHABNAM went North, both travelled at the same speed. After sometime they both turned left, walked for sometime and turned left again.

- (a) In which direction is RANI of SHABNAM?

- (b) In which direction is ...

- (i) RANI going
(ii) SHABNAM going, now.

35. State which of the choice given below provides the answer in the following.

If

$$32 + 16 = 12, 39 + 12 = 15$$

$$28 + 15 = 13, 84 + 96 = 27,$$

$$\text{then } 42 + 18 = ?$$

Choices:

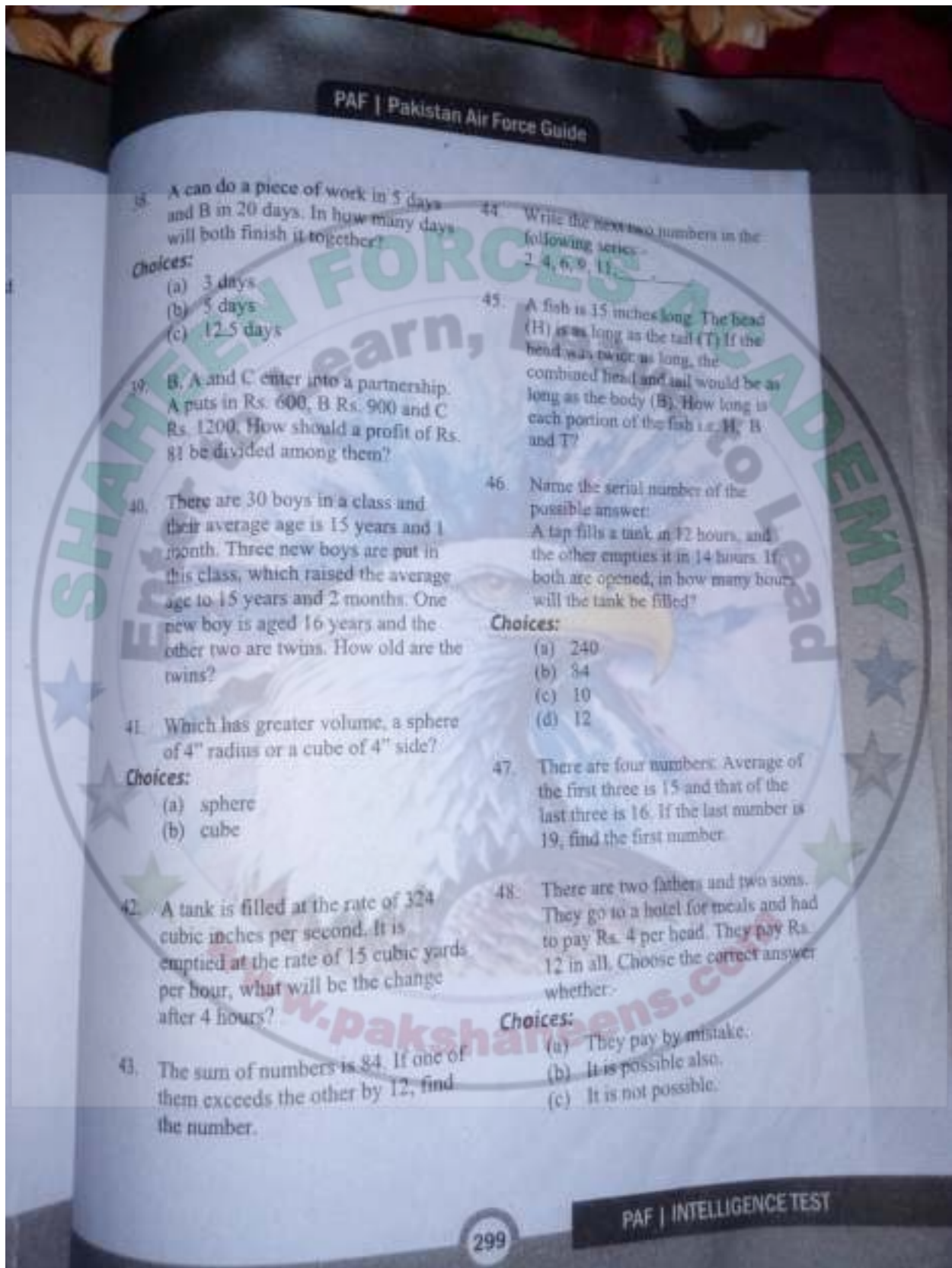
- (i) 15
(ii) 3
(iii) 21
(iv) 16

36. A father is 36 years old and his son 16 years. In how many years will the father be twice as old as his son?

37. Think of a number, double it and add 15. If the result is 81, find the number.

Choices:

- (a) 10
(b) 80
(c) 33
(d) 22



Dogar's Testmaster

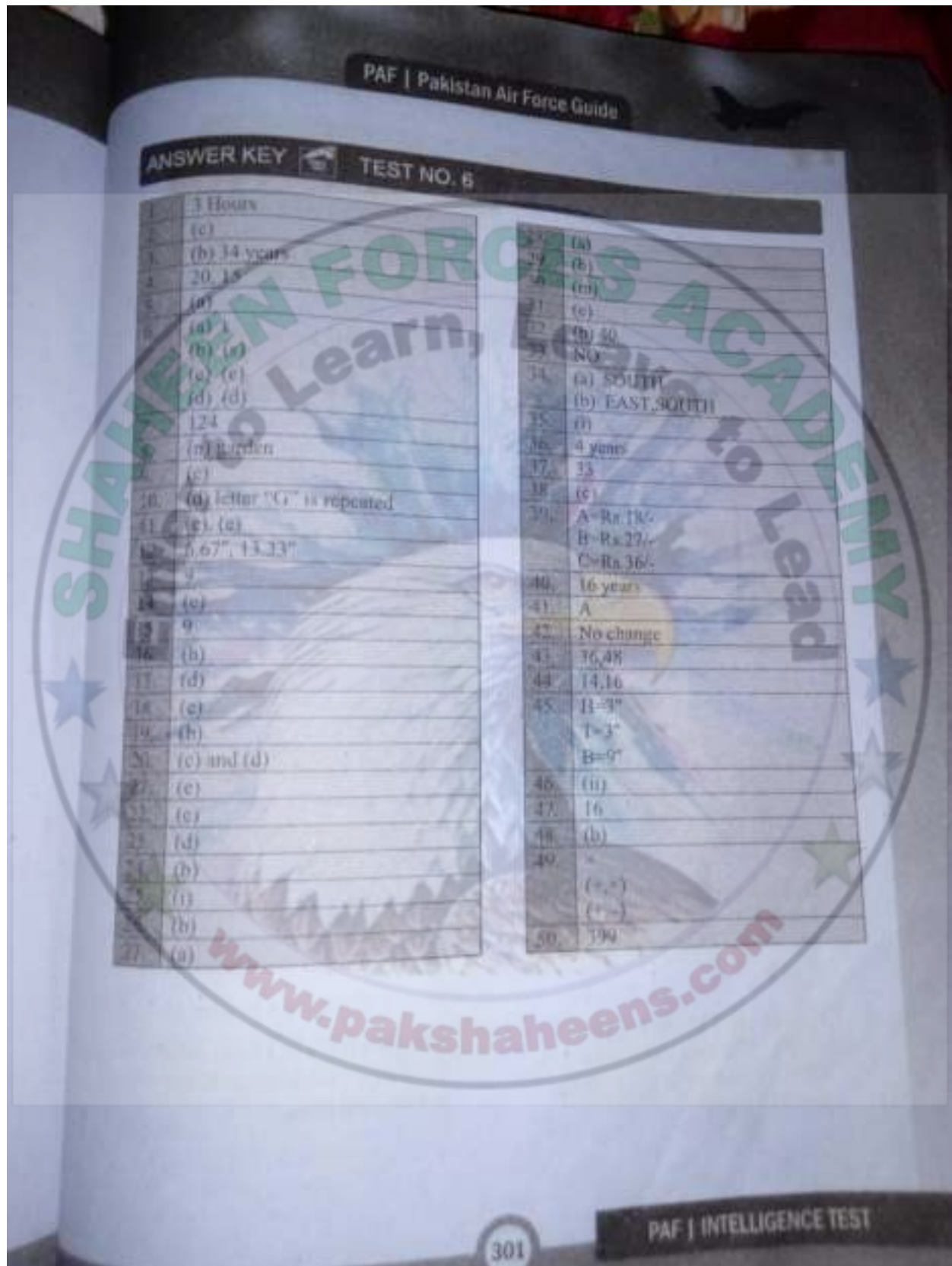
49. Place Arithmetical signs in the following sums:

| | | | |
|---|---|---|------|
| 5 | 6 | 7 | = 30 |
| 1 | 8 | 9 | = 81 |
| 1 | 4 | 3 | = 7 |
| 1 | 6 | 7 | = 0 |

50. The two odd number is 1, the second odd number is 3, the third odd number is 5 and so on. What is the 200th odd number?

SHAHEEN FORCES ACADEMY
Enter to Learn, Leave to Lead
www.pakshaheens.com

PAF | INTELLIGENCE TEST 300

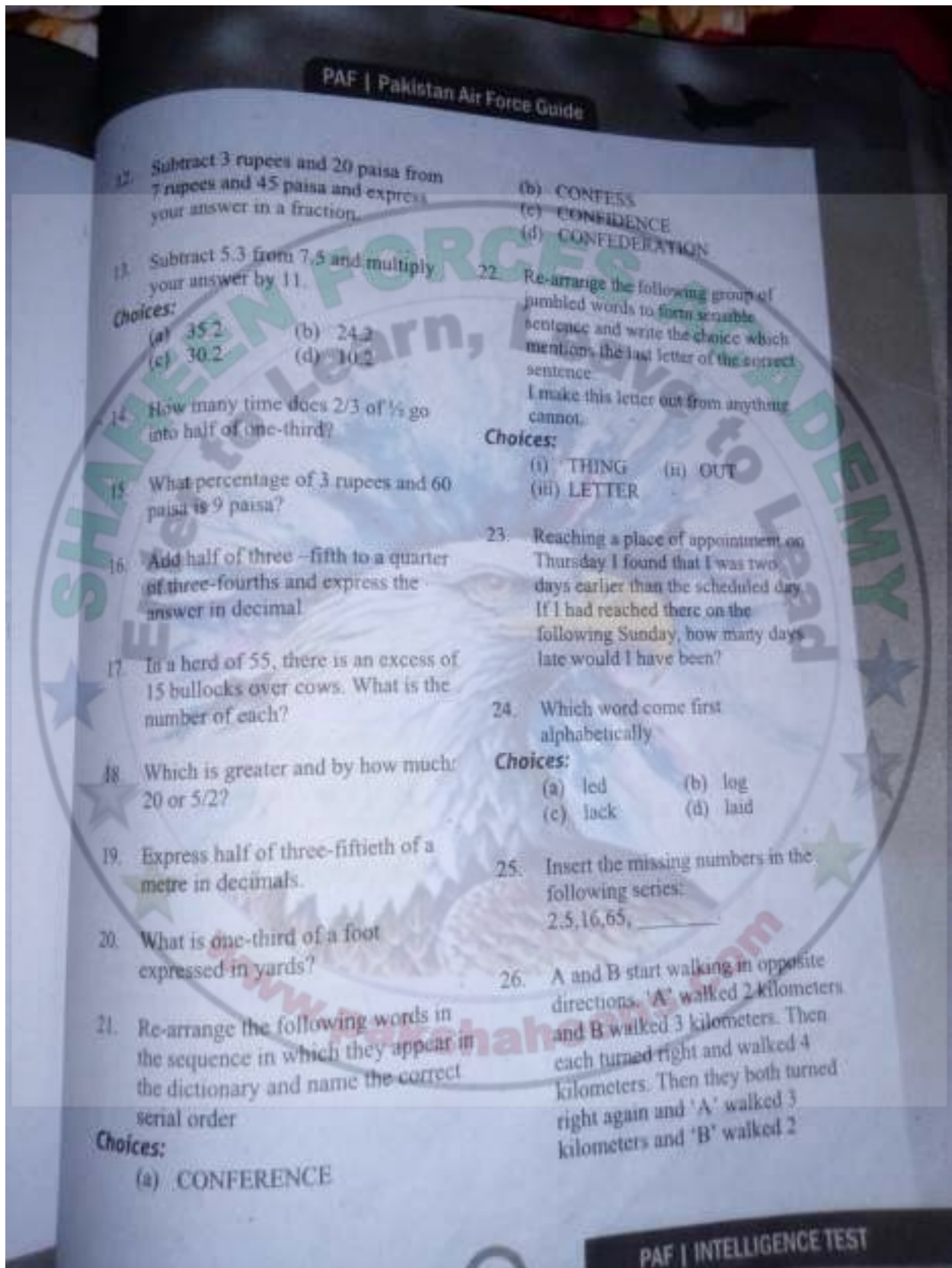


PRACTICE TEST NO. 7

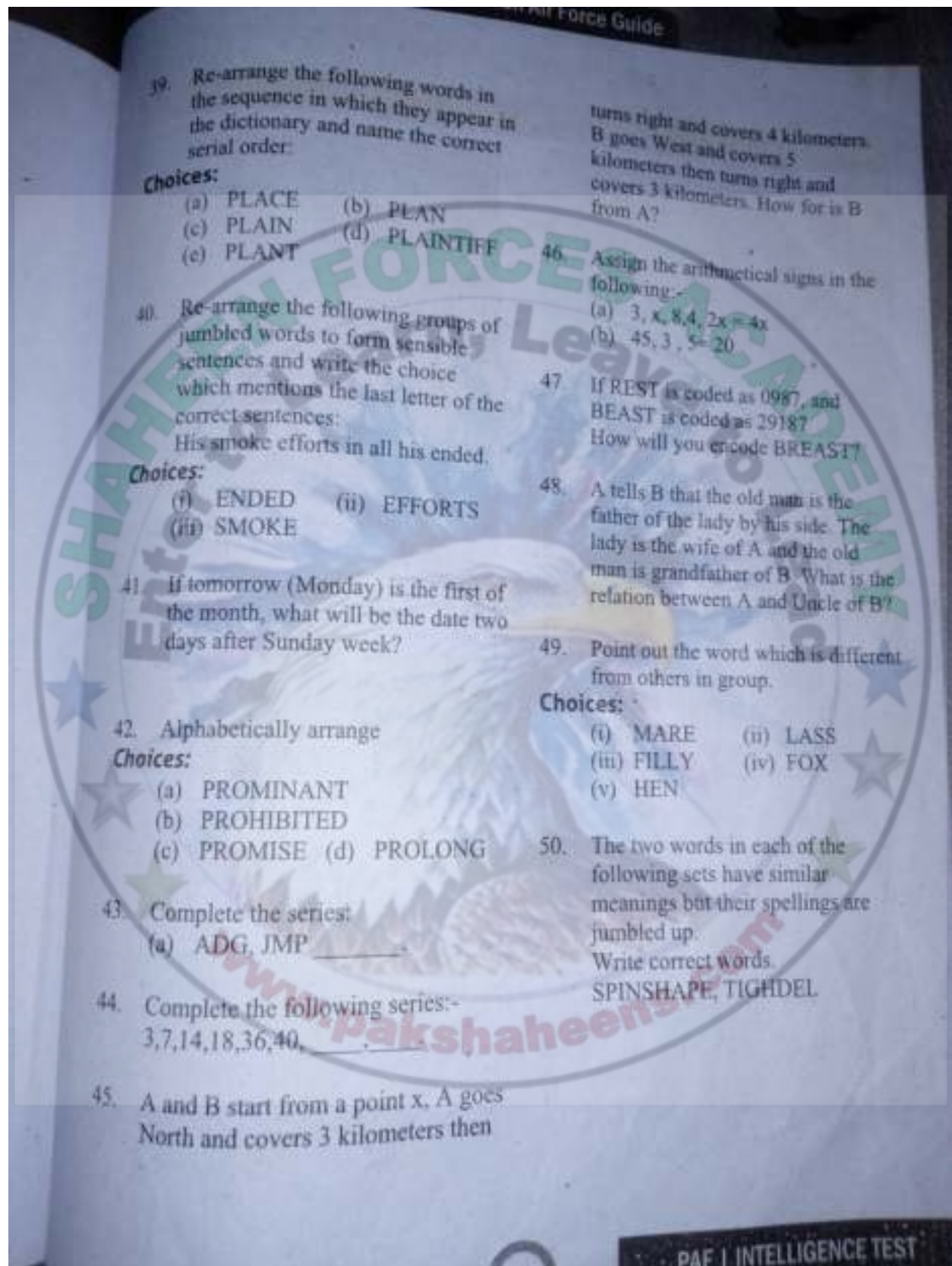
Directions:

Each question in the following section are based on Intelligence Test questions. Each of the following questions is followed by some choices. Select the correct choice in each case.

1. Write two number of same 2-digits each which differ by 18 if the digits are reversed in order.
Choices:
 (a) 86, 68 (b) 13, 31
 (c) 24, 42 (d) 75, 57
2. 'A' cycles half as fast again as 'B' but 'B' cycles twice as fast as 'C'. If the speed of 'C' is 5 miles an hour, what is the speed of 'A'?
3. I bought a watch for Rs. 60. What will it fetch if I sell it at a gain of 20%.
4. A woman is 5 years younger than her husband and 3 times as old as her son. If the son attains the age of 21 after 6 years, what is the present age of the father?
5. Divide 3 rupees and 39 paise among two men so that one gets 59 paise less than the other. What is the share of each?
6. A watch gains 12 seconds every 3 hours. What time will it show as 1 a.m. on Tuesday if it is set right at 3 p.m. on Sunday?
7. If a man works half as much a boy, how long would it take 4 men and 8 boys to dig a pit which 8 men will take 20 days to dig?
Choices:
 (a) 5 days (b) 10 days
 (c) 8 days (d) 15 days
8. $\frac{2}{8}$ of a pole is above water level in a river. How much the pole is in water and the ground if the total height is 48 feet?
Choices:
 (a) 36 (b) 48
 (c) 38 (d) 41
9. If 6 men build a wall in 10 days, how many women will build a wall twice as high in 15 days, provided that each woman turns out half the work of a man?
10. Arrange 1, 2, 3, 4, 5, 6, 7, 8, 9 in three column as a, b, c in such a way that the sum of digits in each column is 15.
11. Add three fifths of a rupee to 60% of half a rupee and express the answer in a decimal paise.



- kilometers. How far distant apart from starting point?
27. In the series 357, 363, 369, what will be the 10th term?
- Choices:
- (a) 405 (b) 411
(c) 413 (d) 417
28. If SISTER is coded as 535201, UNCLE is coded as 84670 and COT is coded as 692, How will you encode SON?
29. A child was accompanying a woman. On being asked who the boy was, the woman said 'His mother was the only daughter of my mother.' How was the boy related to the woman?
30. Point out the word which is different from others in the group.
- Choices:
- (i) DUTIFUL
(ii) CHEERFUL
(iii) BEAUTIFUL
(iv) HANDFUL
(v) CAREFUL
31. State the number of choice which fits in the blank spaces in the following:
HORSE is to MARE as COLT is to _____.
- Choices:
- (i) GOAT (ii) MARE
(iii) FILLY
32. In a school 32% passed the senior school certificate examination in First class and the remaining 34 boys got Second Class. What was the total number who appeared in the examination?
33. What is the total number of three digits, numbers that can be formed using the following digits:
(a) 3 2 0
(b) 4 2 3
34. Complete the following series:
21, 5, 19, 7, 17, 9, _____.
35. Continue the series:
8/27, 5/24, 7/21, 0/18
36. What is that which is found in 'HANDS', HEAD and HEART but not in BODY.
37. Re-arrange the following words in the natural sequence and state the serial order of the words so arranged:-
(i) WAIST (ii) BELLY
(iii) CHEST (iv) HEAD
38. Name the single letter except 'S' which when suffixed to each of the following words forms new words:
(a) HEART (b) BUS
(c) BOOT (d) BAT



Dogar's Testmaster

ANSWER KEY  **TEST NO. 7**

| | | | |
|-----|-----------------------|-----|--------------------|
| 1. | (a) 86.58 | 26. | 9 miles |
| 2. | 15 kilometres an hour | 27. | 4c) |
| 3. | Rs. 72 | 28. | 594 |
| 4. | 50 years | 29. | SON |
| 5. | 1.99, 1.40 | 30. | iv |
| 6. | min 16 sec. | 31. | iii |
| 7. | (a) 5 days | 32. | 50 |
| 8. | (a) | 33. | 4, 0, 8 |
| 9. | 16 women | 34. | 15, 11 |
| 10. | 2, 3, 7 | 35. | 11/15, 13/12 |
| 11. | 5, 4, 6 | 36. | A, H |
| 12. | 1, 3, 2 | 37. | ii, iii, iv, i |
| 13. | 0.9 | 38. | H |
| 14. | 4.25 point | 39. | a, c, d, e, b |
| 15. | 24.2 | 40. | (iii) |
| 16. | 1/2 | 41. | LOTH |
| 17. | 2.5% | 42. | (b) (d) (a) (c) |
| 18. | 0.4875 | 43. | SVY |
| 19. | 20, 35 | 44. | 80, 84 |
| 20. | 8.1 | 45. | 9 kilometres |
| 21. | 0.03 | 46. | (*) S, - -) |
| 22. | 1/9 | 47. | (- - +) |
| 23. | (d), (ii), (b), (c) | 48. | 209187 |
| 24. | (iii) | 49. | BROTHER |
| 25. | One day | 50. | (ii) or (v) |
| 26. | (a) | | HAPPINESS, DELIGHT |
| 27. | 326 | | |

www.pakshaheens.com

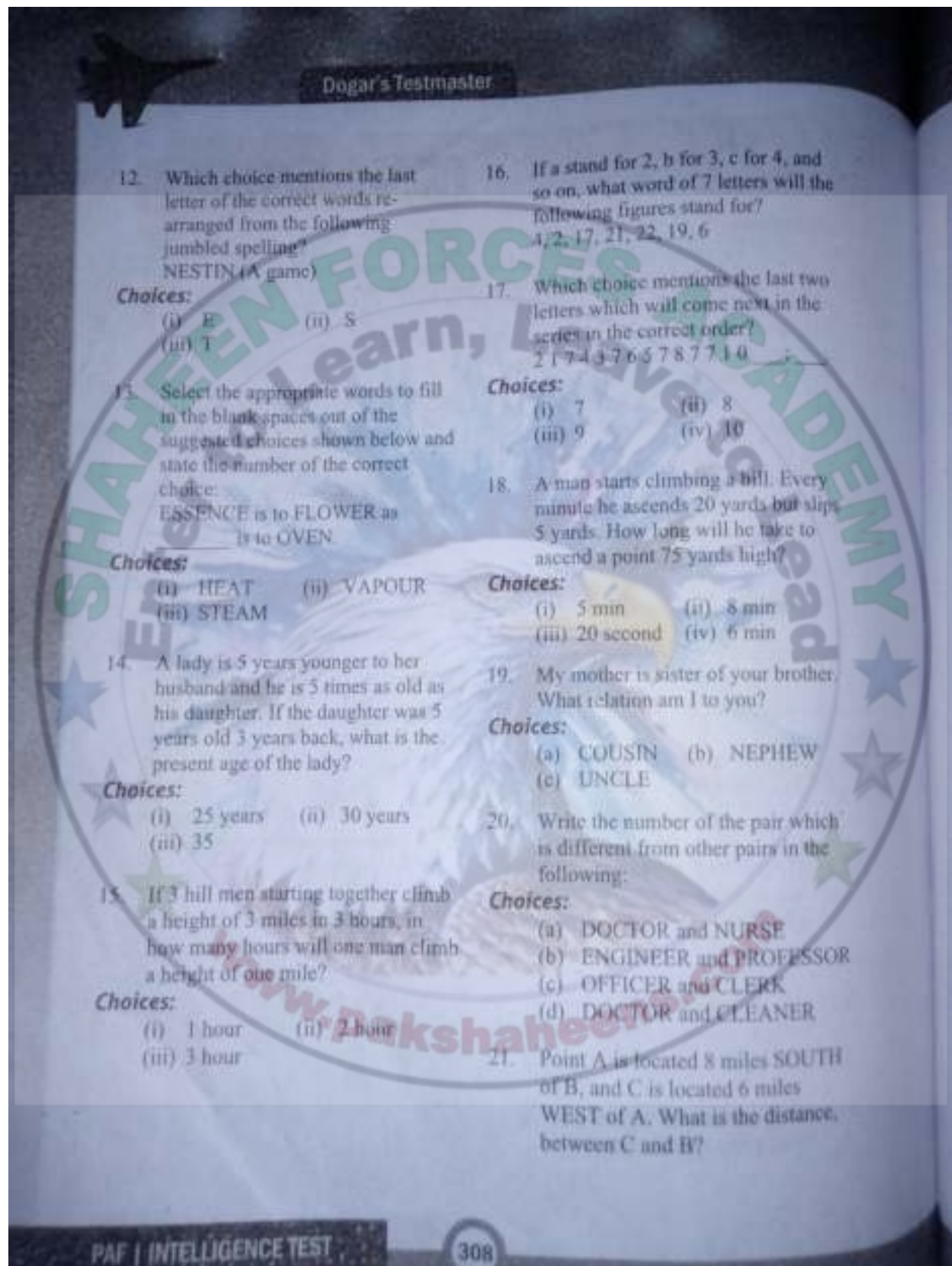
PAF | INTELLIGENCE TEST

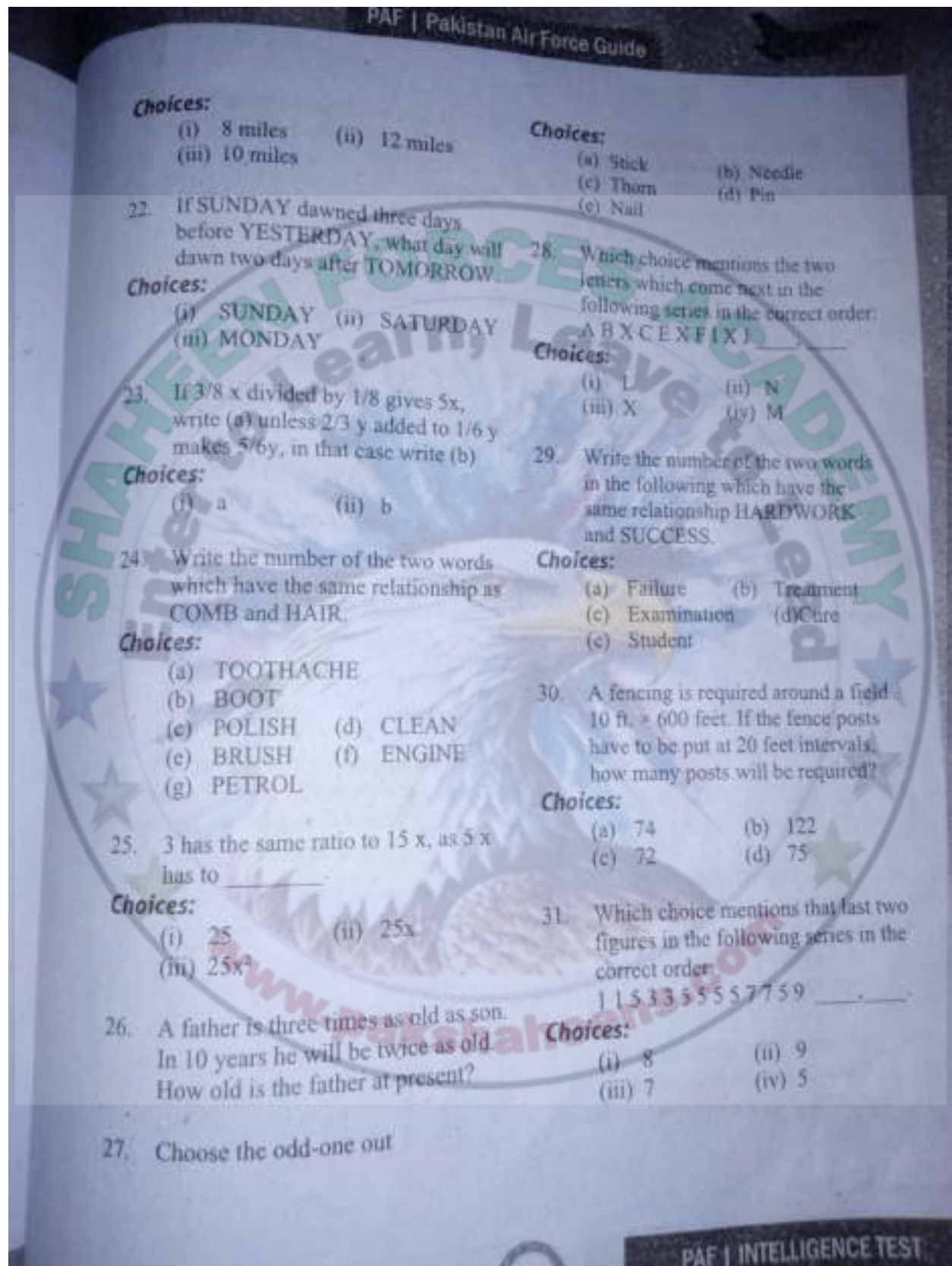
PRACTICE TEST NO. 8

Directions:

Each question in the following section are based on Intelligence Test questions. Each of the following questions is followed by some choices. Select the correct choice in each case.

1. State the number of choice which fits in the blanks in the following:
A. INK is to PEN as _____ is to PENCIL.
Choices:
(i) KNIFE (ii) BOOK
(iii) LEAD
2. Fill in the blanks:
(A) E G I
J M P
Q U _____
3. Fill in the blanks in the following series:
A. 5, 20, 6, 24, 7, 28, _____
4. What is that which is found once in FLOWERS twice in SEEDS and SAPLINGS, but never in FRUIT?
5. If the letter O is midway between K and R, write the letter following Y, otherwise write the one preceding it.
6. If $\frac{1}{2}$ when added to $\frac{1}{4}$ makes $\frac{3}{4}$ write x, unless $\frac{1}{4}$ when divided by $\frac{1}{4}$ makes $\frac{3}{16}$ in that case write y.
7. What number when multiplied by itself gives 3 more than 78?
8. Name the choices that provide the answer in the following:
D is to 4 as H is to _____.
Choices:
(i) 6 (ii) 7
(iii) 8 (iv) 9
9. Four masons can build a wall 4 feet high in 4 hours. How many feet high wall can one mason build in one hour?
Choices:
(i) 1 ft. (ii) $\frac{1}{4}$ ft.
(iii) 4 ft.
10. A = 2, B = 4, C = 6, what does the following number stand for?
12, 10, 10, 8.
11. Which choice supply the two missing figures in each of the following blank spaces.
2, 6, 5, 9, 8, 12, 11, 15 _____
Choices:
(i) 14 (ii) 18
(iii) 20 (iv) 22





32. Which choice mentions the last letter of the correct answer to the following:
If BOX is coded as C D P Q Y Z,
how would you write C O A T in
code?

Choices:

- (i) CDPQRSTU
(ii) DEBCABLM
(iii) ABDECDBF
(iv) DEPQBCUV

33. Put Arithmetical signs between the digits in the following equations:

- (a) $13, 3, 2, 1 = 9$
(b) $20, 3, 4, 5 = 26$

34. If 2514 : BEAD, 8945 : HIDE
Then 6554 = ?

Choices:

- (a) Feed (b) Need
(c) Deed (d) Field

35. A's mother is aunt of my daughter. I have no brother. What's A to me?

Choices:

- (a) Sister (b) Brother
(c) Nephew (d) Cousin

36. Spot out the stranger in the following

Choices:

- (i) GODLY (ii) HOLY
(iii) PIOUS (iv) ATHEIST

37. Re-arrange the spellings of the following words to form a sensible word and state the number of the

choice which gives the last letter of the correct word:
ROUCOL

Choices:

- (i) O (ii) R
(iii) U

38. State the number of the choice which is appropriate to fill in the following:
MEAT is to VEGETARIAN as
_____ is to TEETOTALLER.

Choices:

- (i) MUTTON (ii)
VEGETABLE (iii) LIQUOR

39. Which choices mention the two letters which will come next in the following series in the correct order?
E G X F X H J X I X K M X L X

Choices:

- (i) M (ii) N
(iii) O iv. P

40. Which number of two digits between 80 and 90 read the same when placed in an inverted position as in the right position?

41. Write down the following words after removing the jumbles:

ARESUPLE

RILSAO

TEAYUB

42. Insert the missing letter:

D R 1 G

T R 1 D

D R 1 ?

PAF | Pakistan Air Force Guide

43. Find the missing number:
7 21 3 5 30 _____

Choices:

- (i) It is less time consuming.
- (ii) It is quite safe.
- (iii) It is most exciting.
- (iv) It is fashionable to do.

44. A single letter added to the following words changes entirely their meaning in each case. What is that letter?

- (i) ray (ii) irate
- (iii) luck

45. Re-arrange the following words to form sensible sentence:
Times are there restless feed I when.

46. Think of a number, divide it by 5, add an equal number and the result is 24. What number did you think of in the first instance?

47. You always prefer to travel by Air because:

48. Underline the odd-one out from the following:
Bullock, Cart, Car, Truck, Wagon, Skii.

49. Provide the missing letter.
C F I
K P U
H Q ?

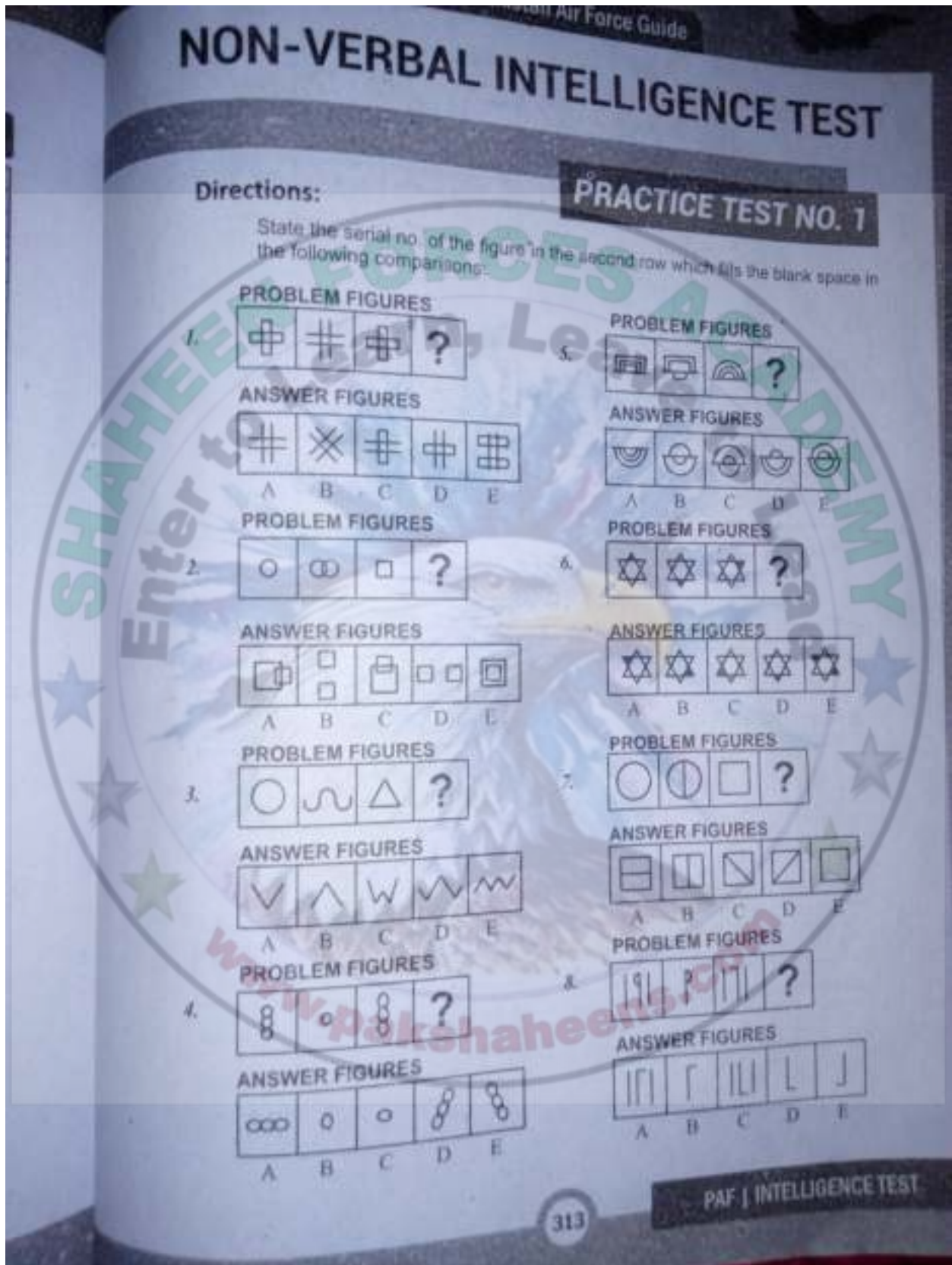
50. Insert the missing number:
7 10 20 23 46 49 _____

www.pakshaheens.com

ANSWER KEY TEST NO. 8

| | |
|----|----------------------|
| 1 | ii |
| 2 | Y |
| 3 | 8, 32 |
| 4 | S |
| 5 | N |
| 6 | (ix) |
| 7 | (vi) |
| 8 | (iii) |
| 9 | (iv) |
| 10 | FEED |
| 11 | (i), (ii) |
| 12 | (ii) |
| 13 | (i) |
| 14 | (iii) |
| 15 | (ii) |
| 16 | CAPTURE |
| 17 | (ii), (iv) |
| 18 | (i) |
| 19 | n |
| 20 | 1 |
| 21 | (iii) |
| 22 | (ii) |
| 23 | (ii) |
| 24 | (b) and (c) |
| 25 | (iii) |
| 26 | 30 |
| 27 | (a) |
| 28 | (ii), (iii) |
| 29 | b, d |
| 30 | b |
| 31 | (ii), (iv) |
| 32 | (iv) |
| 33 | (a) +, + (b) -, + |
| 34 | FEED |
| 35 | NEPHEW |

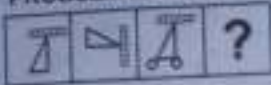
| | |
|----|--|
| 36 | (iv) |
| 37 | (ii) COLOUR |
| 38 | (iii) |
| 39 | (ii), (iv) |
| 40 | 88 |
| 41 | PLEASURE, SAILOR, BEAUTY |
| 42 | G (In the second and the third columns, R is common. In the second column, the letter pattern vertically is D T D. Similarly in the fourth column, the letter pattern vertically is to be G P G.) |
| 43 | 6 (There are two series 7, 21, 3 and 5, 30, 6. Outer figures in each series are multiply to form the middle figure. |
| 44 | P |
| 45 | There are times when I feel restless. |
| 46 | 60 |
| 47 | (i) |
| 48 | Skill (All others have wheels). |
| 49 | Z (In the first, second, and third rows the letter skip 2, 4 and 8 places respectively) |
| 50 | 98, 101 (The series is formed by alternately adding 3 and doubling the preceding number. Thus $7 + 3 = 10$, $10 \times 2 = 20$, $20 + 3 = 23$ 1 |



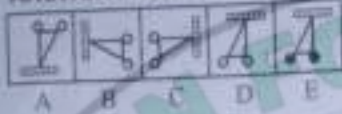




25. PROBLEM FIGURES

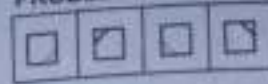


ANSWER FIGURES



29.

PROBLEM FIGURES



ANSWER FIGURES



Directions:

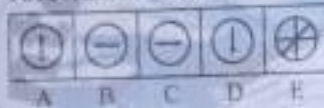
State the serial no. of the figure from the second row which will continue the series of the problem figures:

26.

PROBLEM FIGURES



ANSWER FIGURES

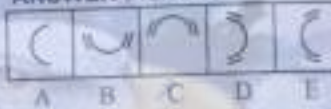


30.

PROBLEM FIGURES

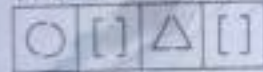


ANSWER FIGURES

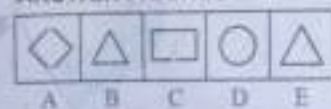


27.

PROBLEM FIGURES

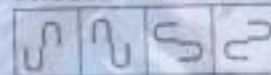


ANSWER FIGURES

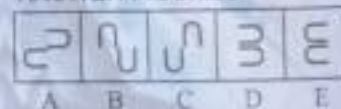


31.

PROBLEM FIGURES

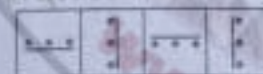


ANSWER FIGURES

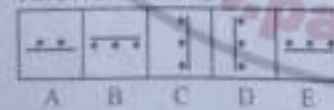


28.

PROBLEM FIGURES

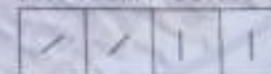


ANSWER FIGURES

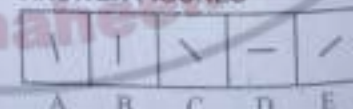


32.

PROBLEM FIGURES



ANSWER FIGURES





Dogar's Testmaster

41. PROBLEM FIGURES

ANSWER FIGURES

A B C D E

45. PROBLEM FIGURES

ANSWER FIGURES

A B C D E

42. PROBLEM FIGURES

ANSWER FIGURES

A B C D E

46. PROBLEM FIGURES

ANSWER FIGURES

A B C D

43. PROBLEM FIGURES

ANSWER FIGURES

A B C D E

47. PROBLEM FIGURES

ANSWER FIGURES

A B C D

44. PROBLEM FIGURES

ANSWER FIGURES

A B C D E

48. PROBLEM FIGURES

ANSWER FIGURES

A B C D

PAF | INTELLIGENCE TEST

318

PAF | Pakistan Air Force Guide

PROBLEM FIGURES

49.

ANSWER FIGURES

A B C D

PROBLEM FIGURES

50.

ANSWER FIGURES

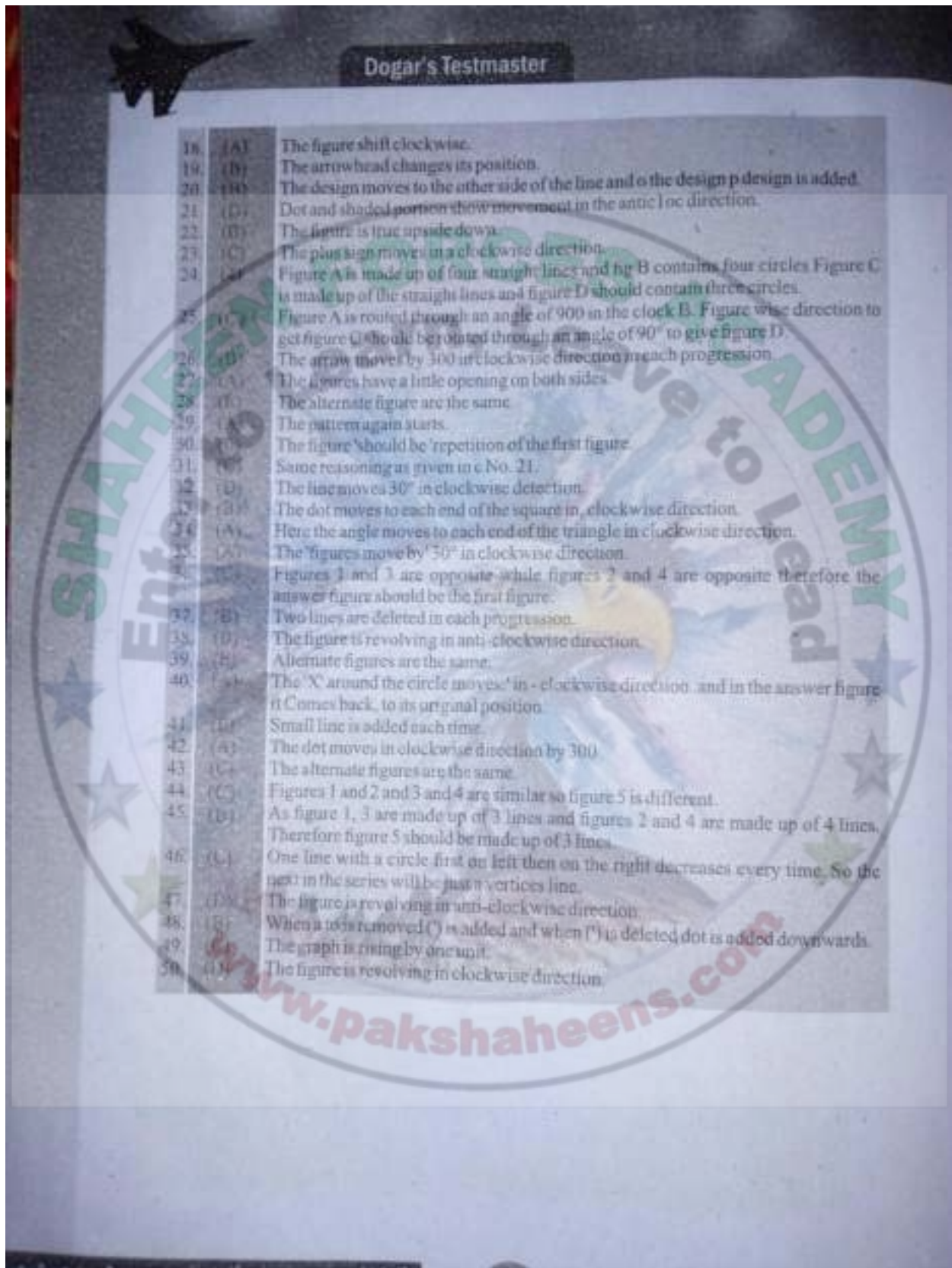
A B C D

ANSWER KEY

| | | | | |
|-------|-------|-------|-------|-------|
| 1. A | 2. A | 3. D | 4. B | 5. D |
| 6. C | 7. B | 8. B | 9. A | 10. A |
| 11. A | 12. C | 13. D | 14. A | 15. C |
| 16. A | 17. A | 18. A | 19. B | 20. B |
| 21. D | 22. B | 23. C | 24. D | 25. C |
| 26. B | 27. A | 28. E | 29. A | 30. E |
| 31. C | 32. D | 33. B | 34. A | 35. A |
| 36. C | 37. B | 38. B | 39. E | 40. A |
| 41. E | 42. A | 43. C | 44. B | 45. B |
| 46. C | 47. D | 48. B | 49. C | 50. D |

EXPLANATORY ANSWERS

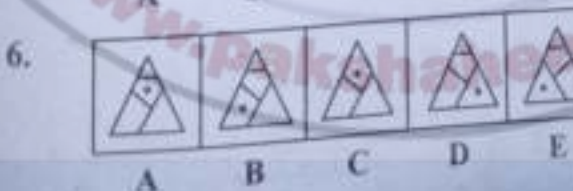
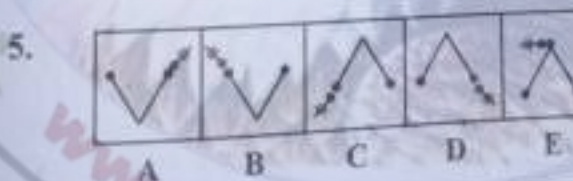
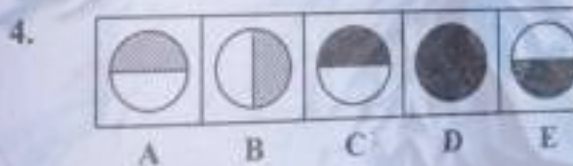
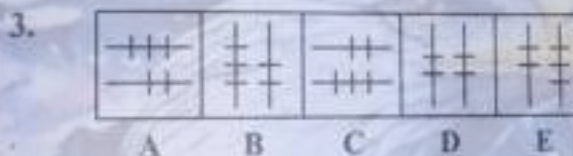
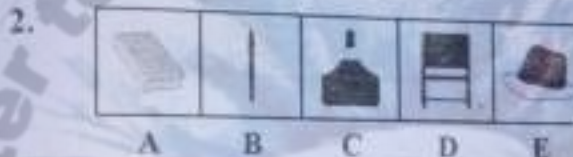
| | |
|---------|--|
| 1. (A) | The closed ends of the figure opened in the second. |
| 2. (A) | One more figure is added to the previous one. |
| 3. (D) | The figure is halved and the side are folded a little. |
| 4. (B) | Out of three rings, only middle ring is left. |
| 5. (D) | Two outer rectangles in figure A have been shifted to the other side to give figure B. Similar changes in figure C give answer figure D. |
| 6. (C) | Shaded portion is shifted to the opposite side. |
| 7. (B) | A vertical line is added to the figure. |
| 8. (B) | The brackets of the figure is deleted in the second and the head on the line changes its place in the other direction. |
| 9. (A) | The outside figure comes inside and the inside figure comes outside. |
| 10. (C) | The previous figure is added to the next. |
| 11. (A) | A line is added each time. |
| 12. (B) | The dots change its position to the other side of the line. |
| 13. (D) | One more dot is added in the second figure. |
| 14. (A) | The figure moves in anticlockwise direction. |
| 15. (C) | A vertical line is added. |
| 16. (A) | A line is added to the figure. |
| 17. (A) | The figure moves in anticlockwise direction by 90° angle. |

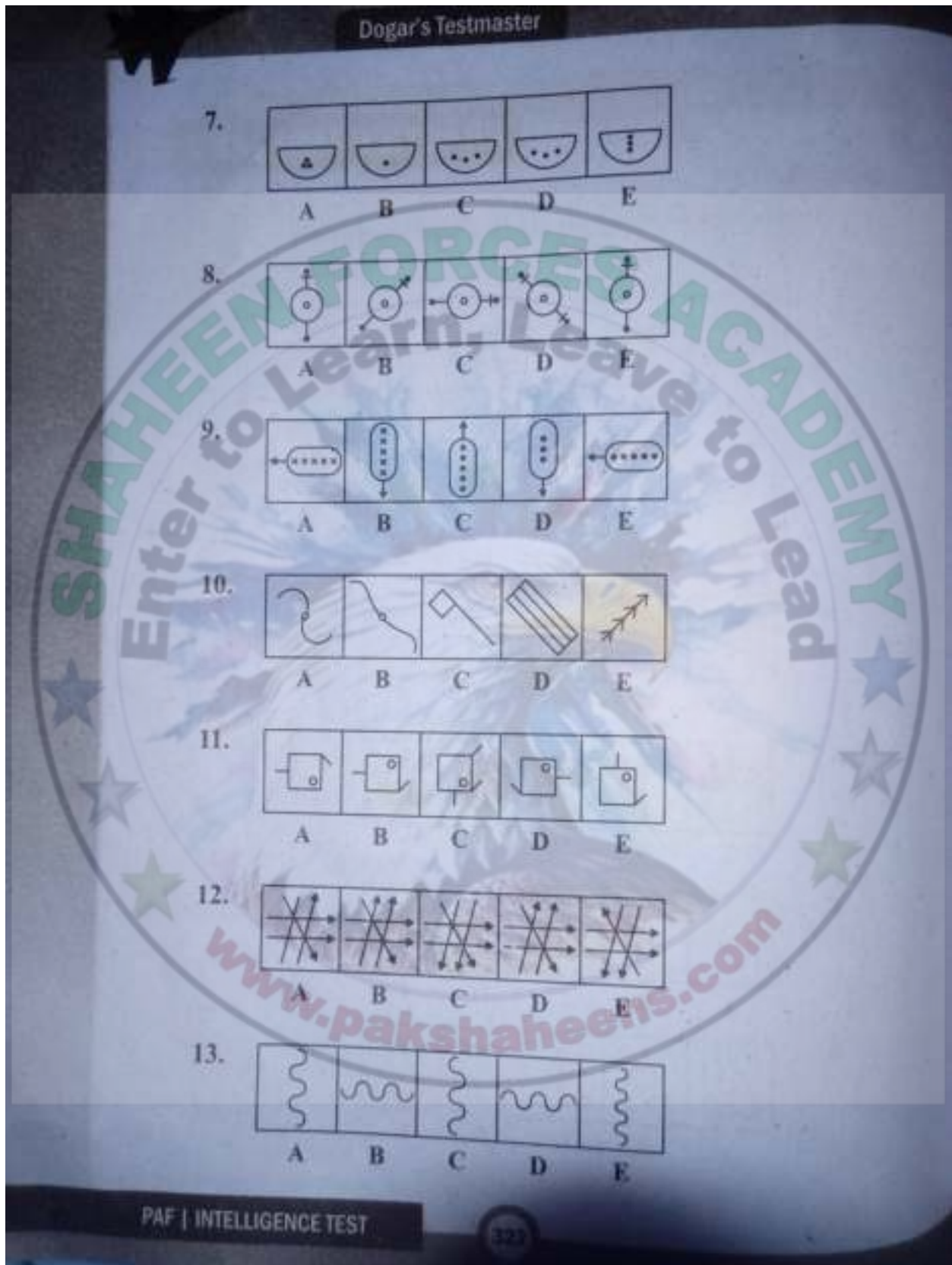


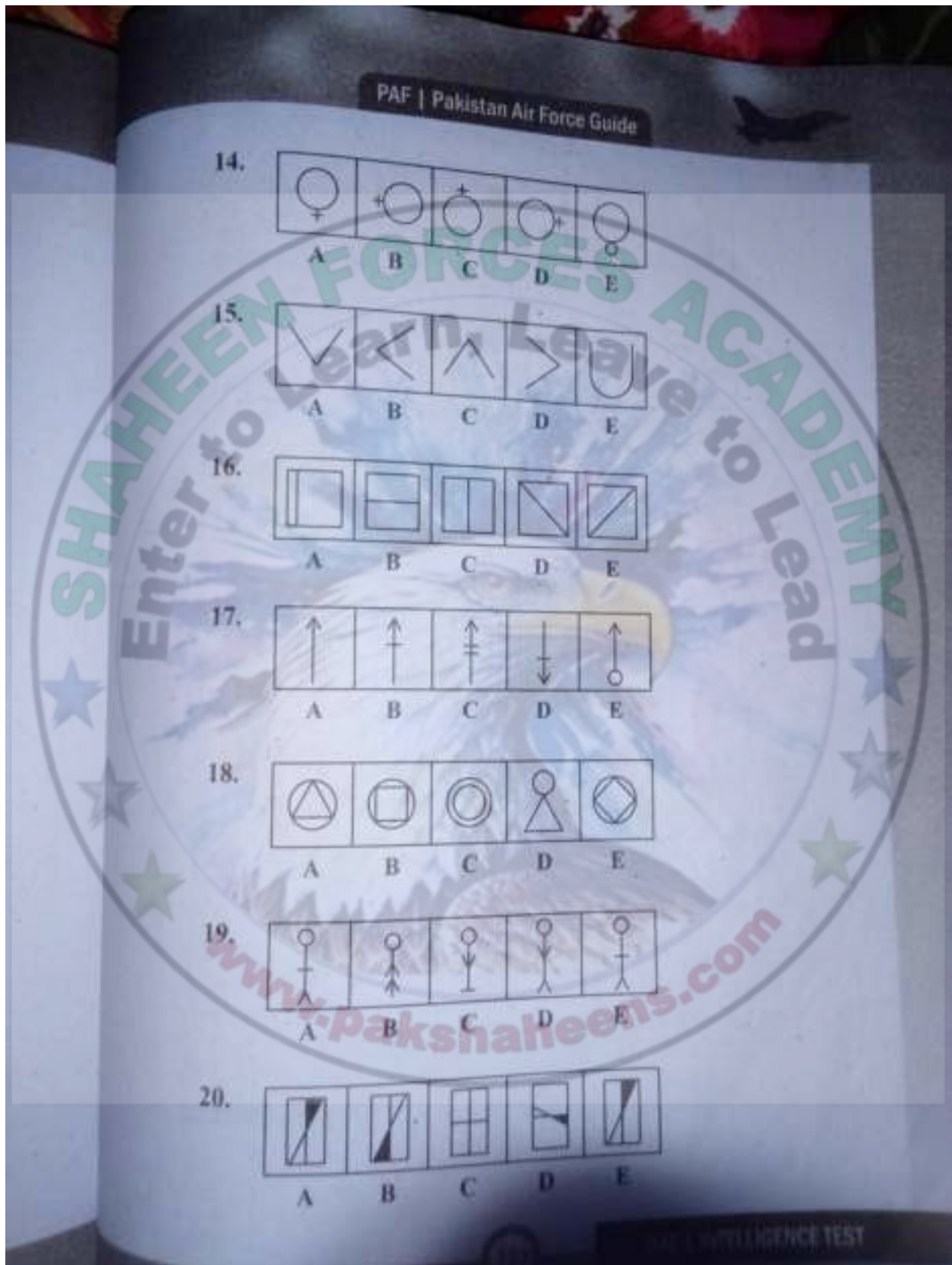
PRACTICE TEST NO. 2

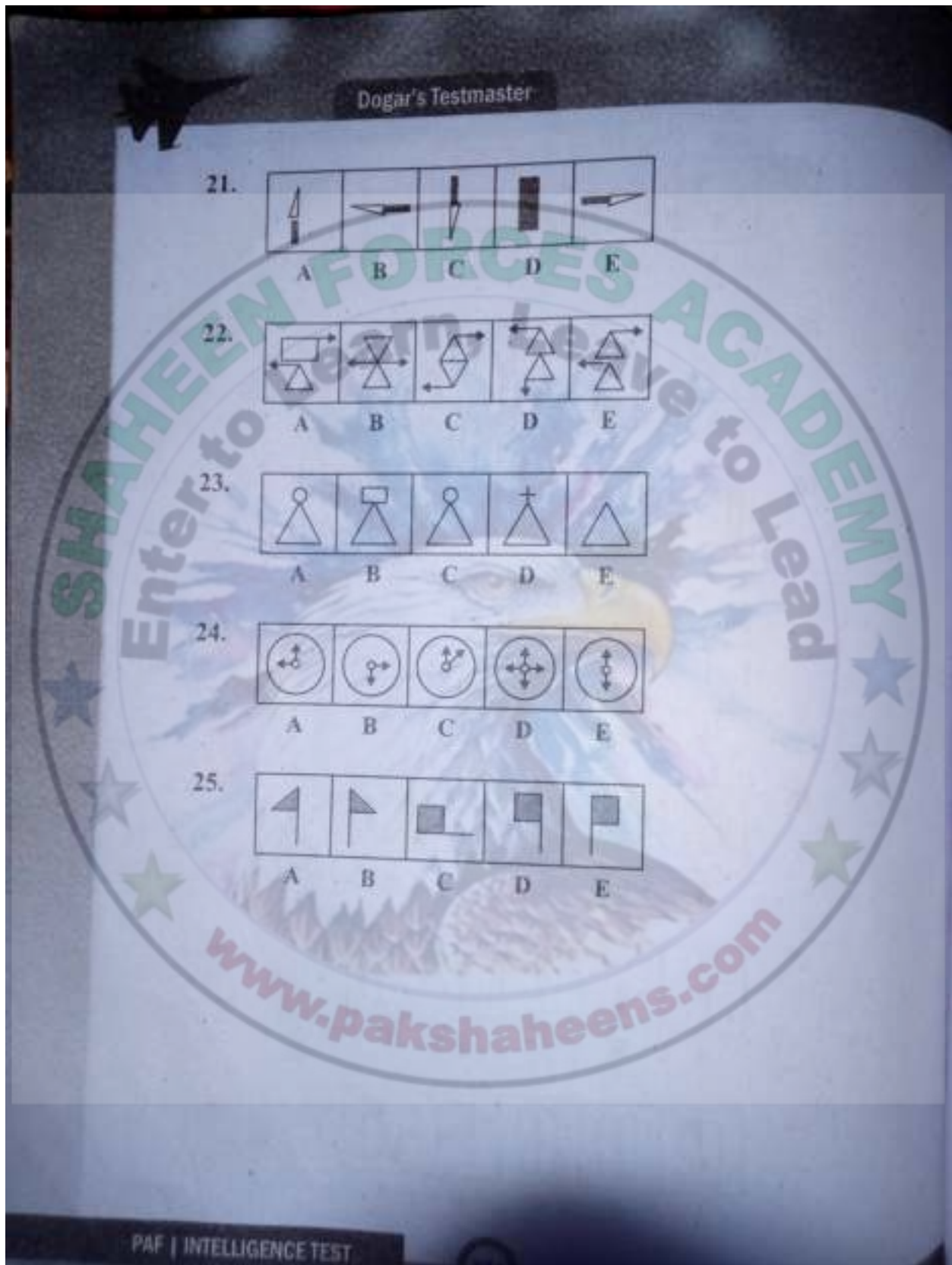
Directions:

State the serial no. of the figure which is different from the others









ANSWER KEY

| | | | | | | | | | |
|----|---|----|---|----|---|----|---|----|---|
| 1 | E | 2 | B | 3 | D | 4 | D | 5 | E |
| 6 | A | 7 | B | 8 | D | 9 | D | 10 | E |
| 11 | C | 12 | A | 13 | E | 14 | E | 15 | E |
| 16 | A | 17 | A | 18 | E | 19 | C | 20 | C |
| 21 | D | 22 | A | 23 | E | 24 | D | 25 | C |

EXPLANATORY ANSWERS

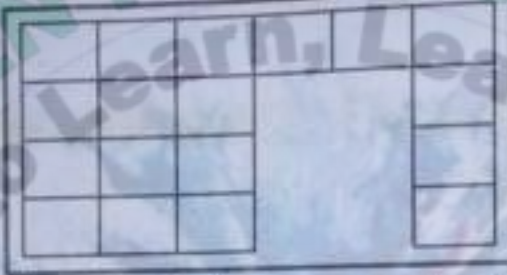
1. All other figures point upwards or downward.
2. All other things are related to studies.
3. Only two horizontal lines cross the vertical lines. In other figures one of the vertical lines is cut by three horizontal lines.
4. In all other figures only half circle is shaded.
5. In all other figures a knobbed line with two crosses is on the top of the limbs of 'V'.
6. With the exception of 'A' in all other figures dot is the angle of the triangle.
7. Except 'B' in all other half circles there are three balls in each.
8. Both the antenna are crossed whereas in others only one is crossed.
9. In all other figures there are either five crosses or five dots.
10. All other figures bend to the left side.
11. Slanting lines originate from two corners only in the figure 'C'.
12. One of the cutting lines is not an arrow whereas in other it is so.
13. In this figure there are four bends and in the others there are only three.
14. In other figures there is a circle and a cross on its outer surface but in 'E' there is a circle.
15. All the first four figures are 'V' in different positions but 'E' is 'U'.
16. In the figures B, C, D, E one line divides the s - into two equal parts but in 'A' the line does not into two equal parts.
17. One thing similar in the figures A, B, C and E, is that they are pointing upward whereas the 'D' is pointing downward.
18. All other figures have a figure within a circle but in the case of 'D' it is outside the circle.
19. With the exception of 'C' each other figure has leg shaped triangle at the base.
20. In all other figures except 'C' there is a shaded triangle.
21. Except 'D' all other figures are conical.
22. Except in 'A' in all other figures there are two triangle and two arrows.
23. At one end of these triangle there is something. Only exception is E.
24. In other figures there are only two hands.
25. In all other figures flag like portion is either on the left or right.



Dogar's Testmaster

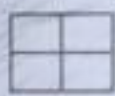

PRACTICE TEST NO. 3

Directions: State the serial no. of the figure which will fill into the vacant space in the incomplete pattern.

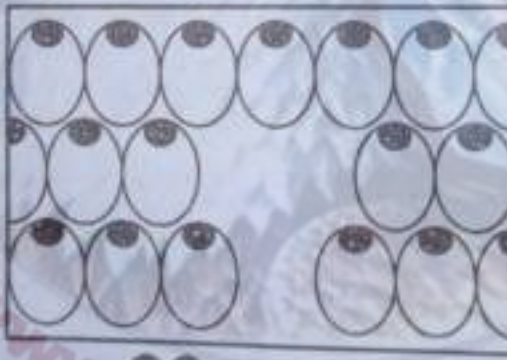
Q.1







(a)  (b) 

(c)  (d) 

Q.2



(a)  (b) 

(c)  (d) 

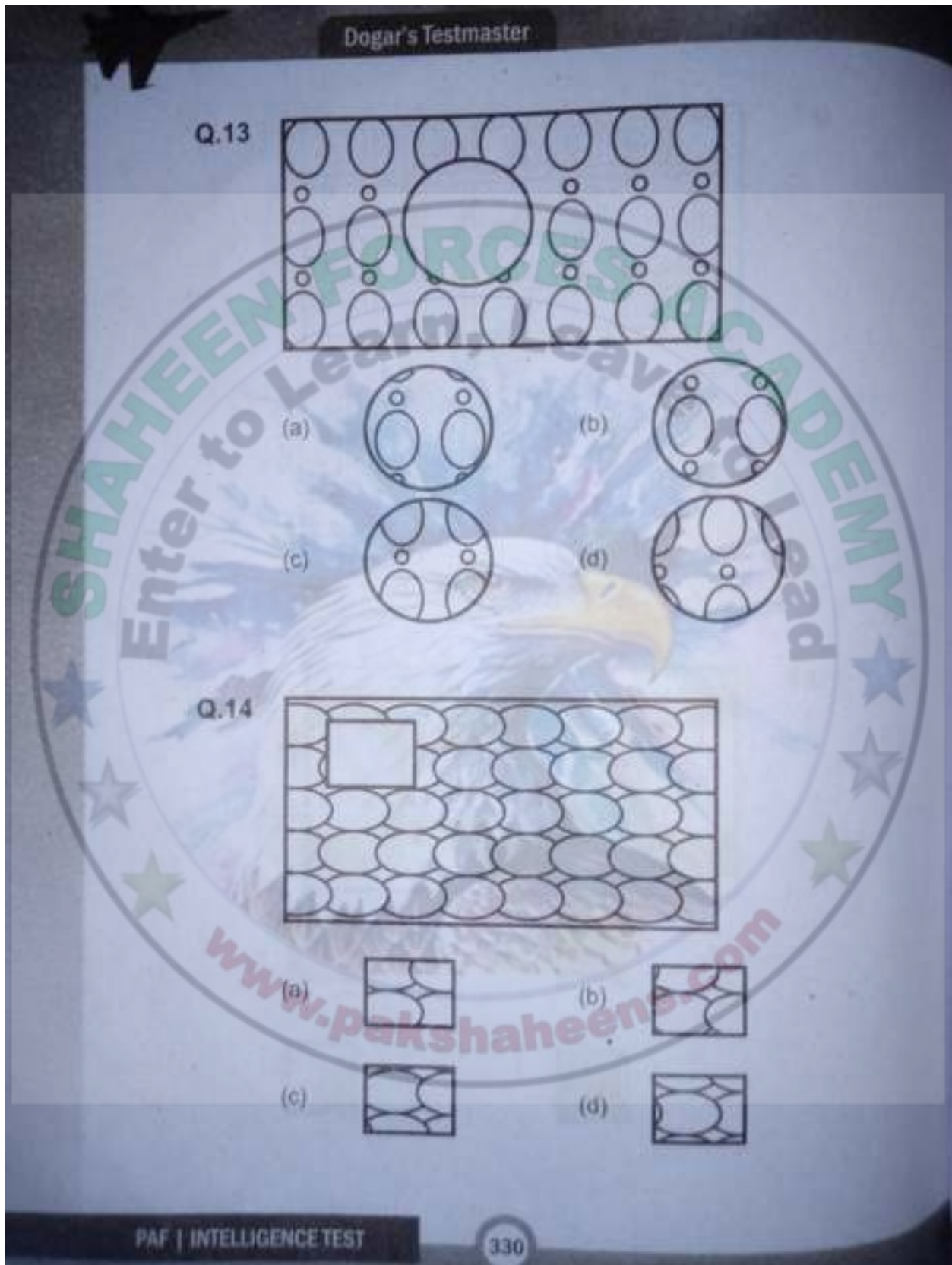
PAF | INTELLIGENCE TEST

326





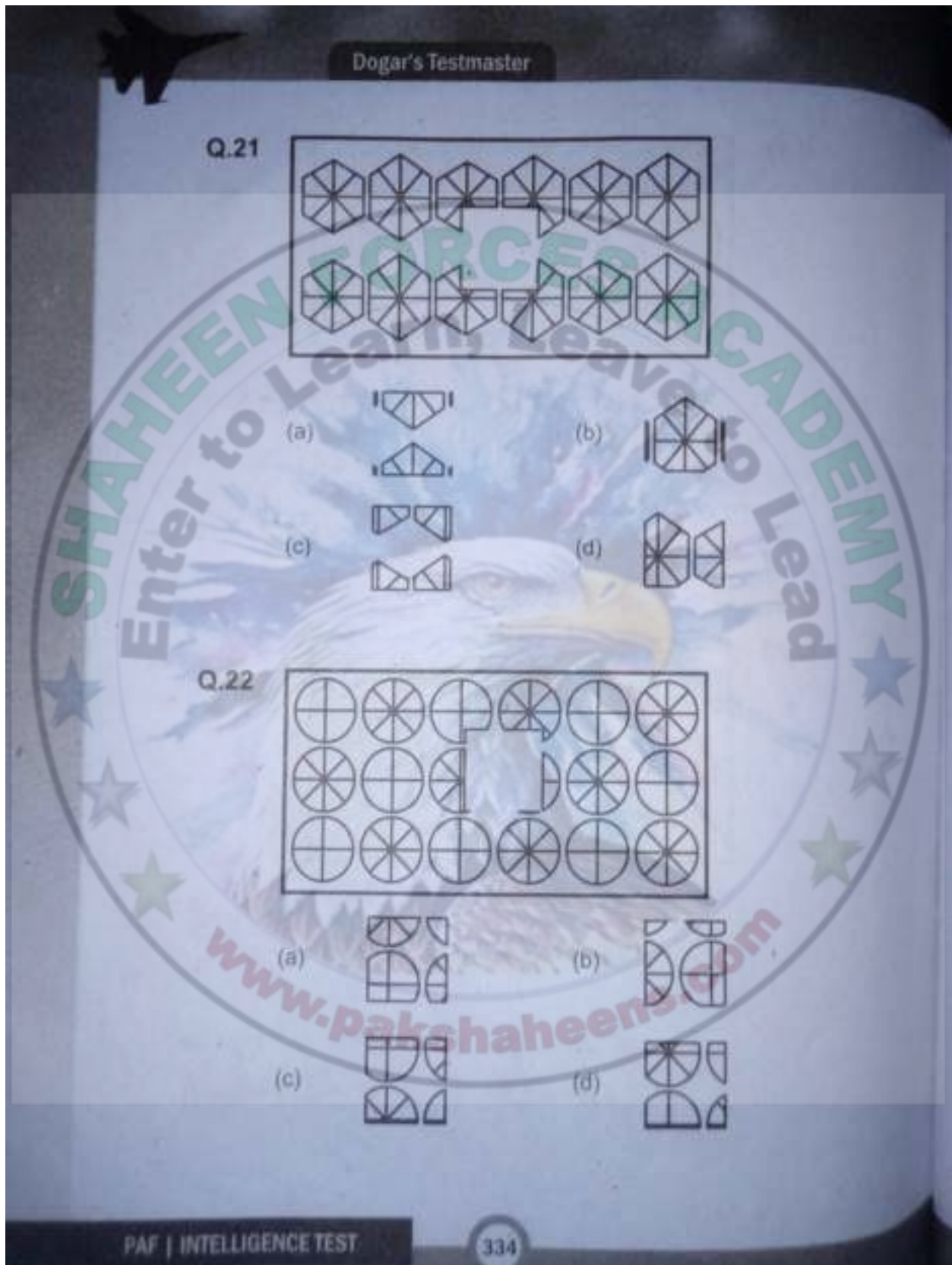


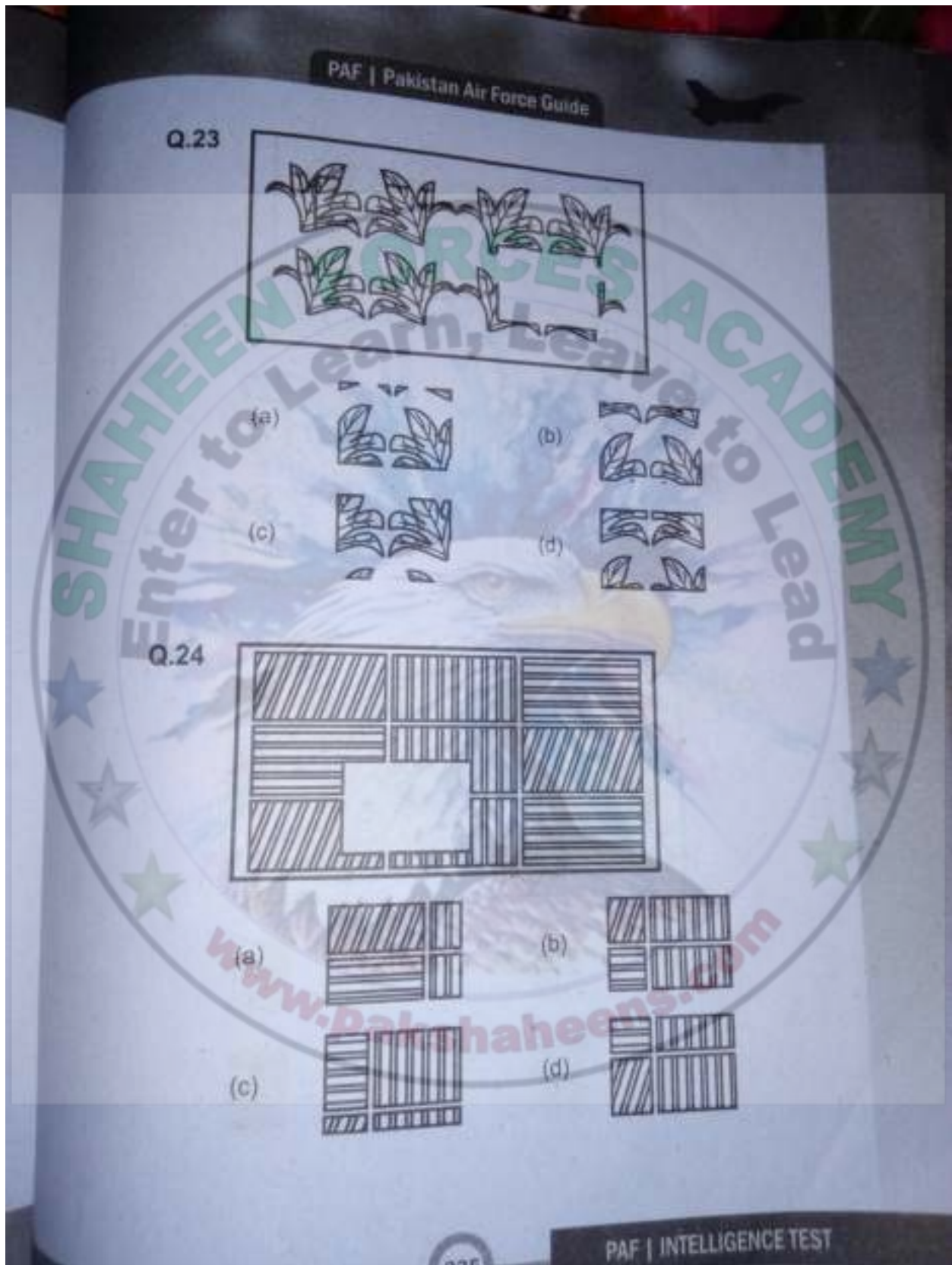






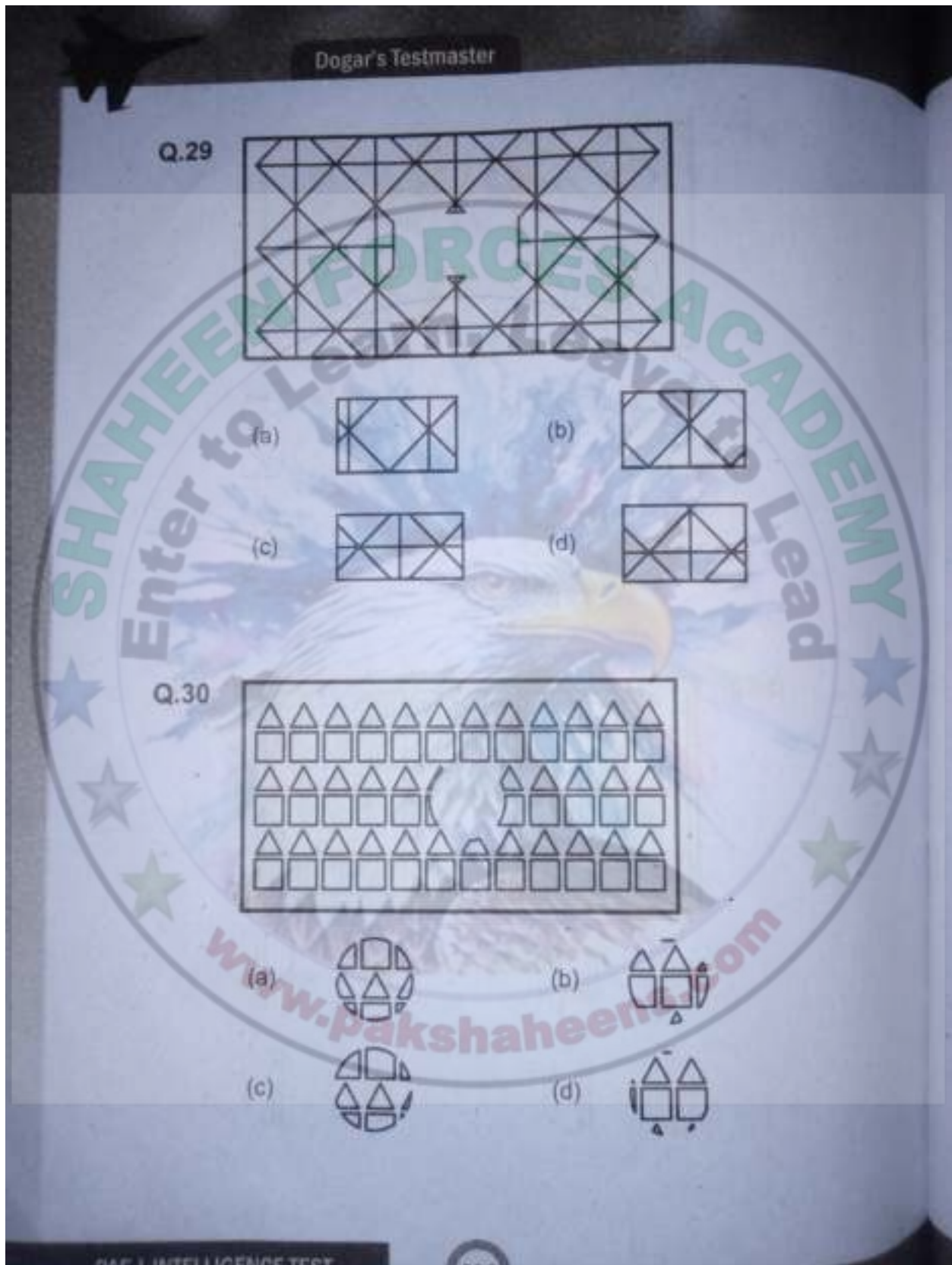


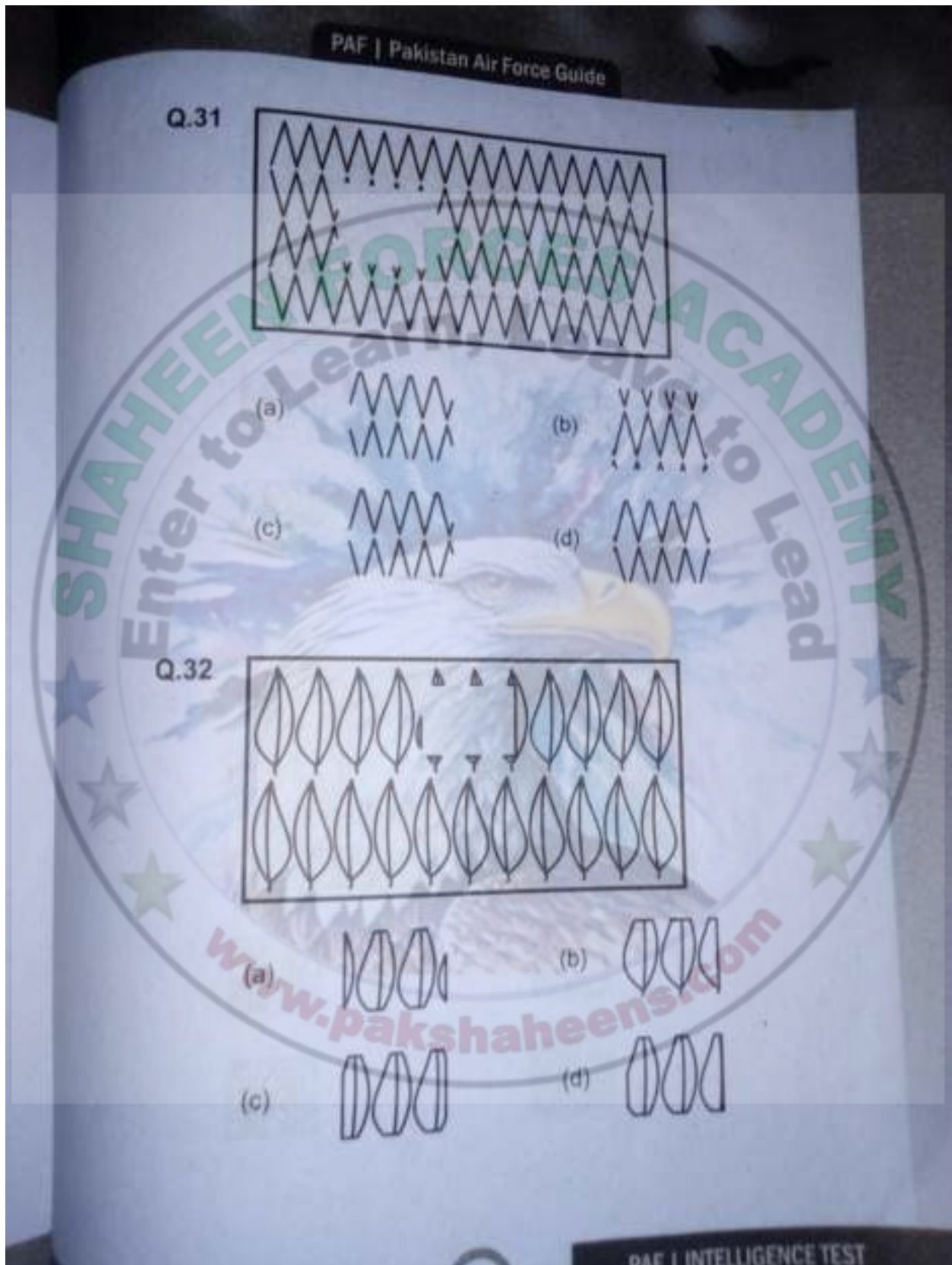


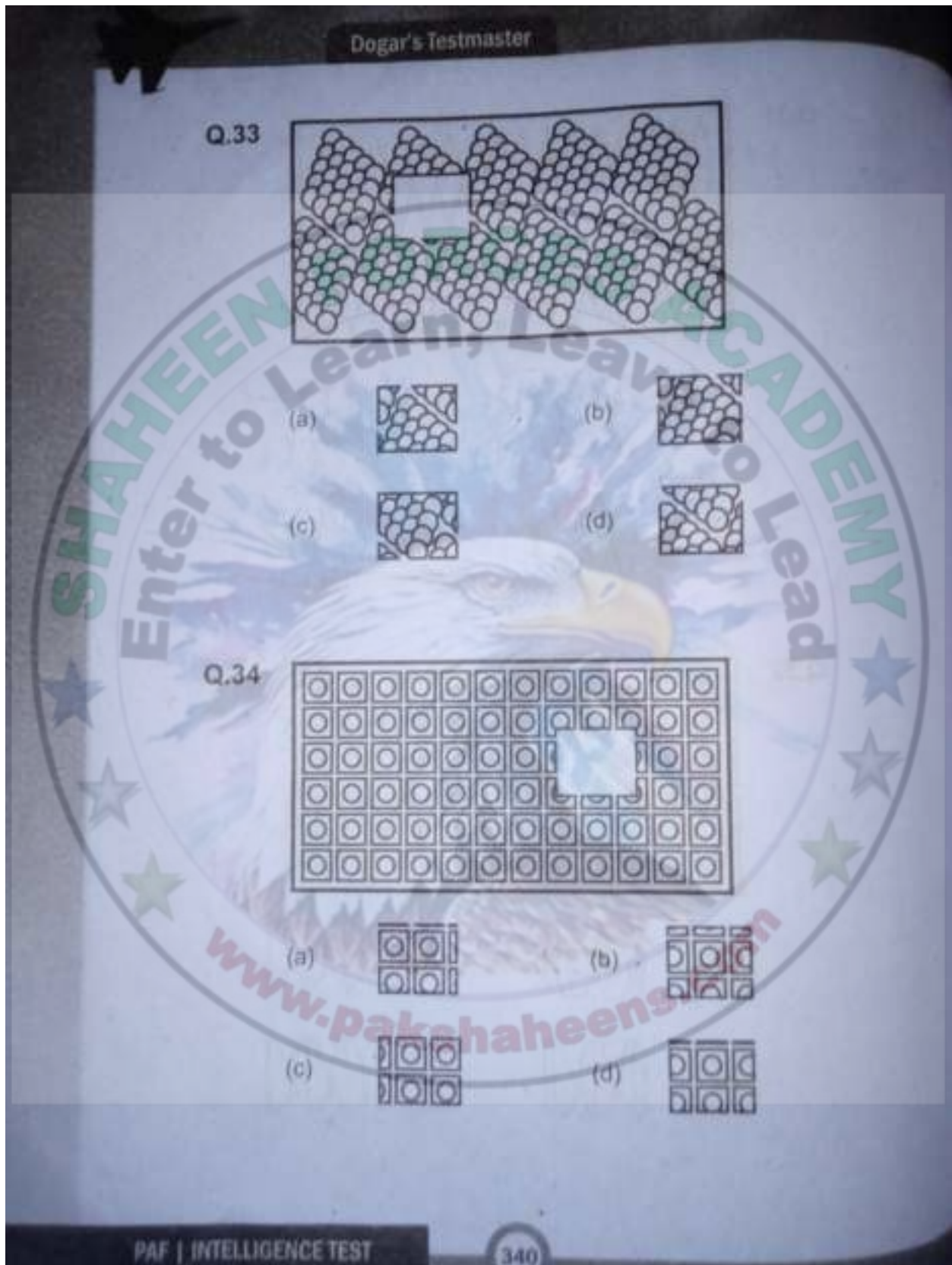








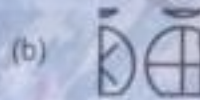
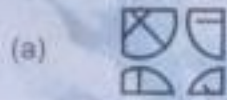




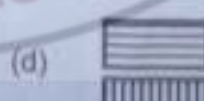


Dogar's Testmaster

Q.37

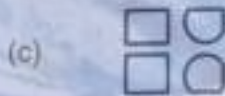
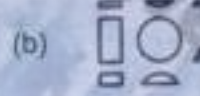


Q.38

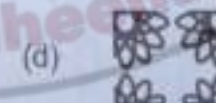
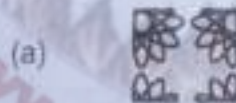
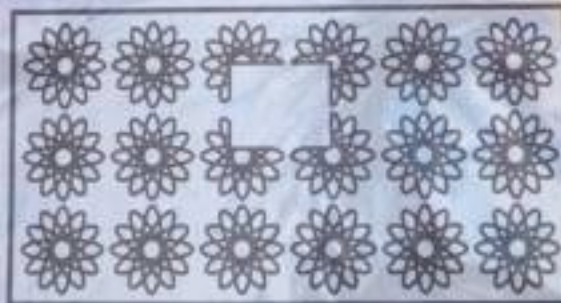




Q.41



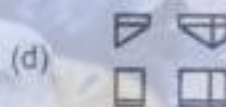
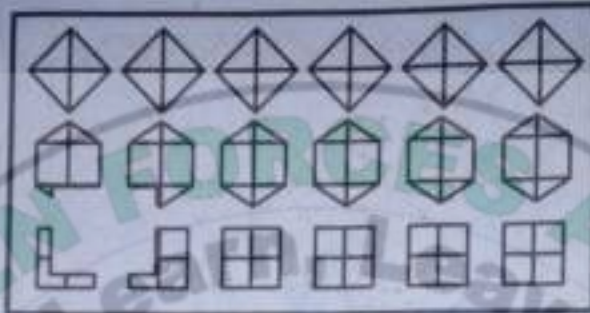
Q.42



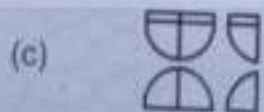
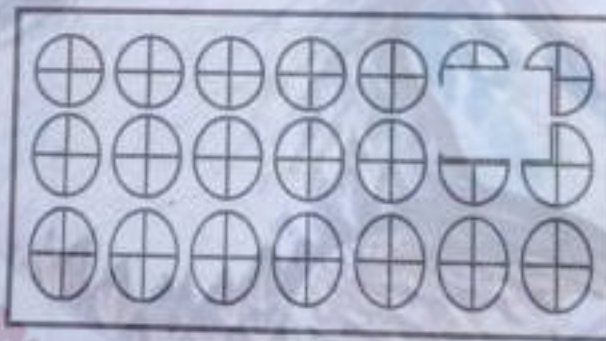


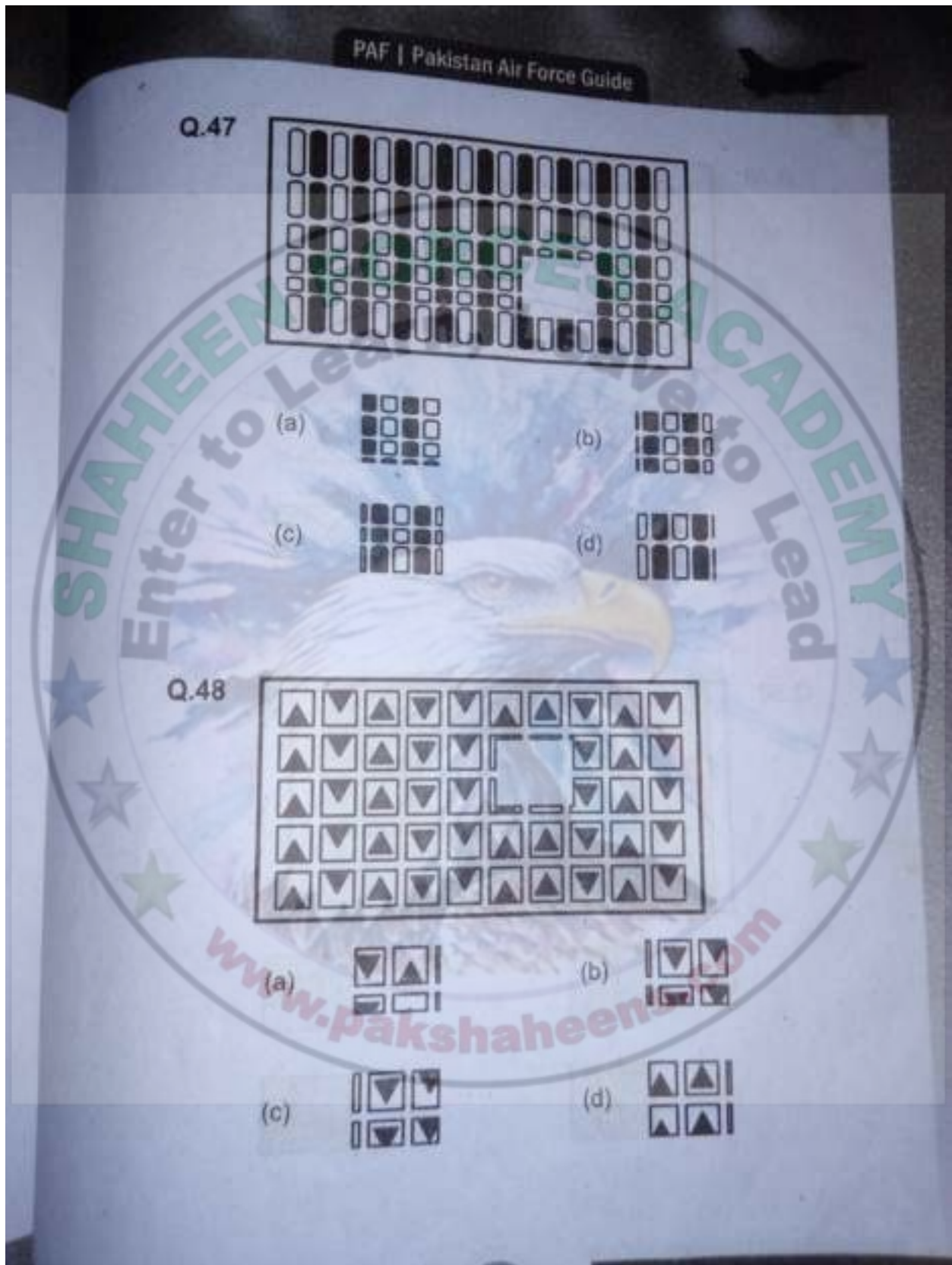
Dogar's Testmaster

Q.45



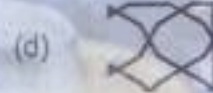
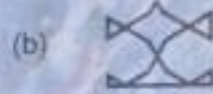
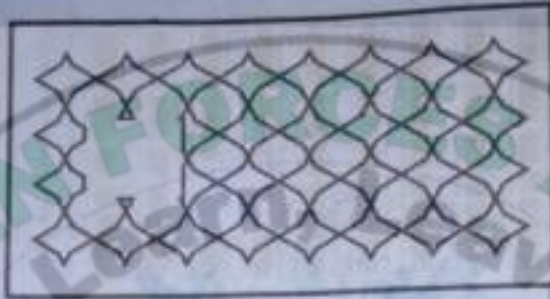
Q.46





Dogar's Testmaster

Q.49



Q.50





PRACTICE TEST NO. 4

Directions:

State the serial no. of the figure which complete the last series in the pattern figure:

Q.1



A.



B.



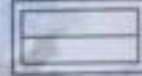
C.



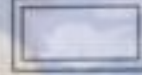
Q.2



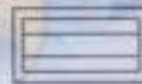
A.



B.



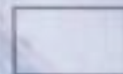
C.



Q.3



A.



B.



C.



Q.4



A.



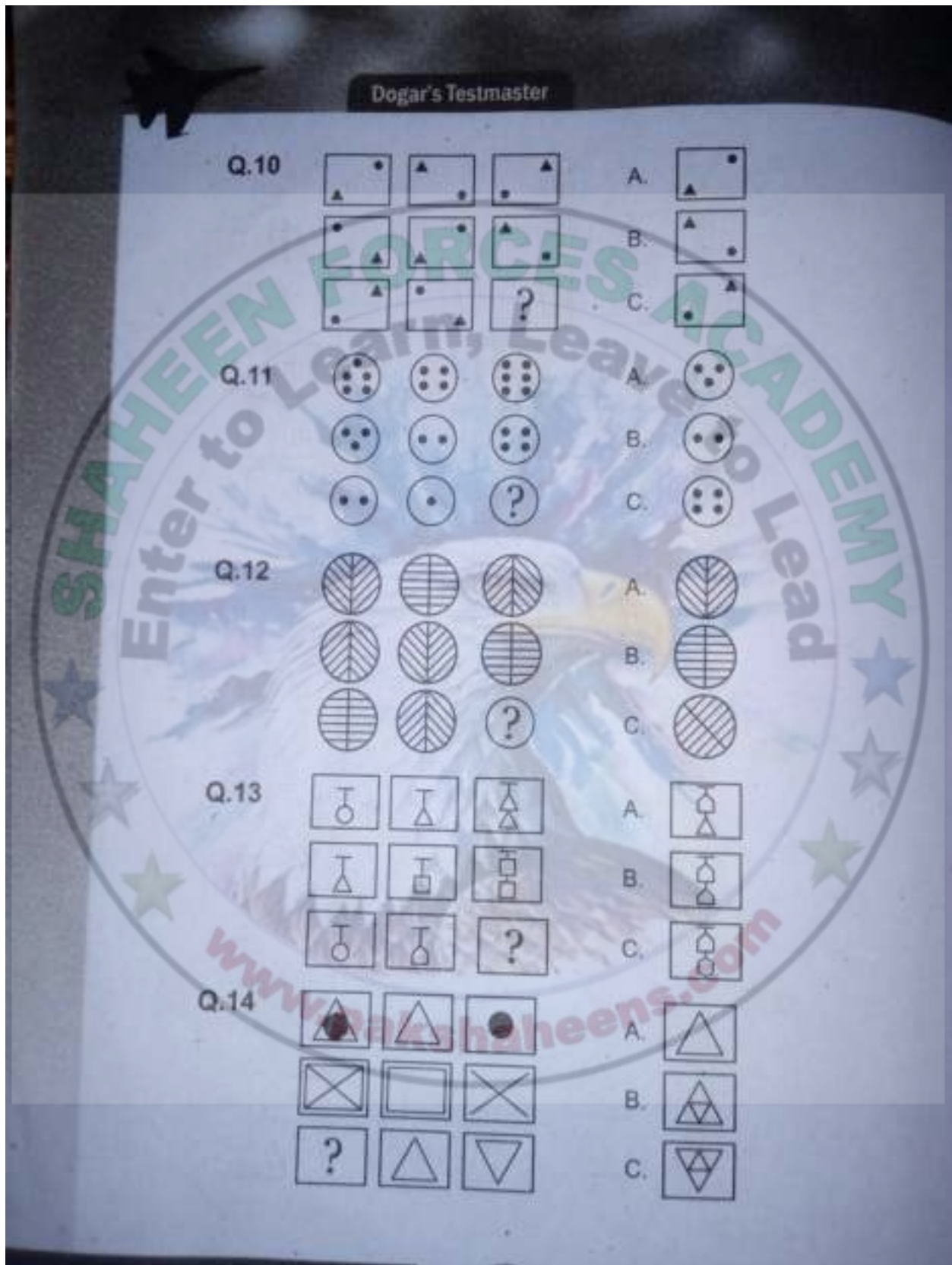
B.



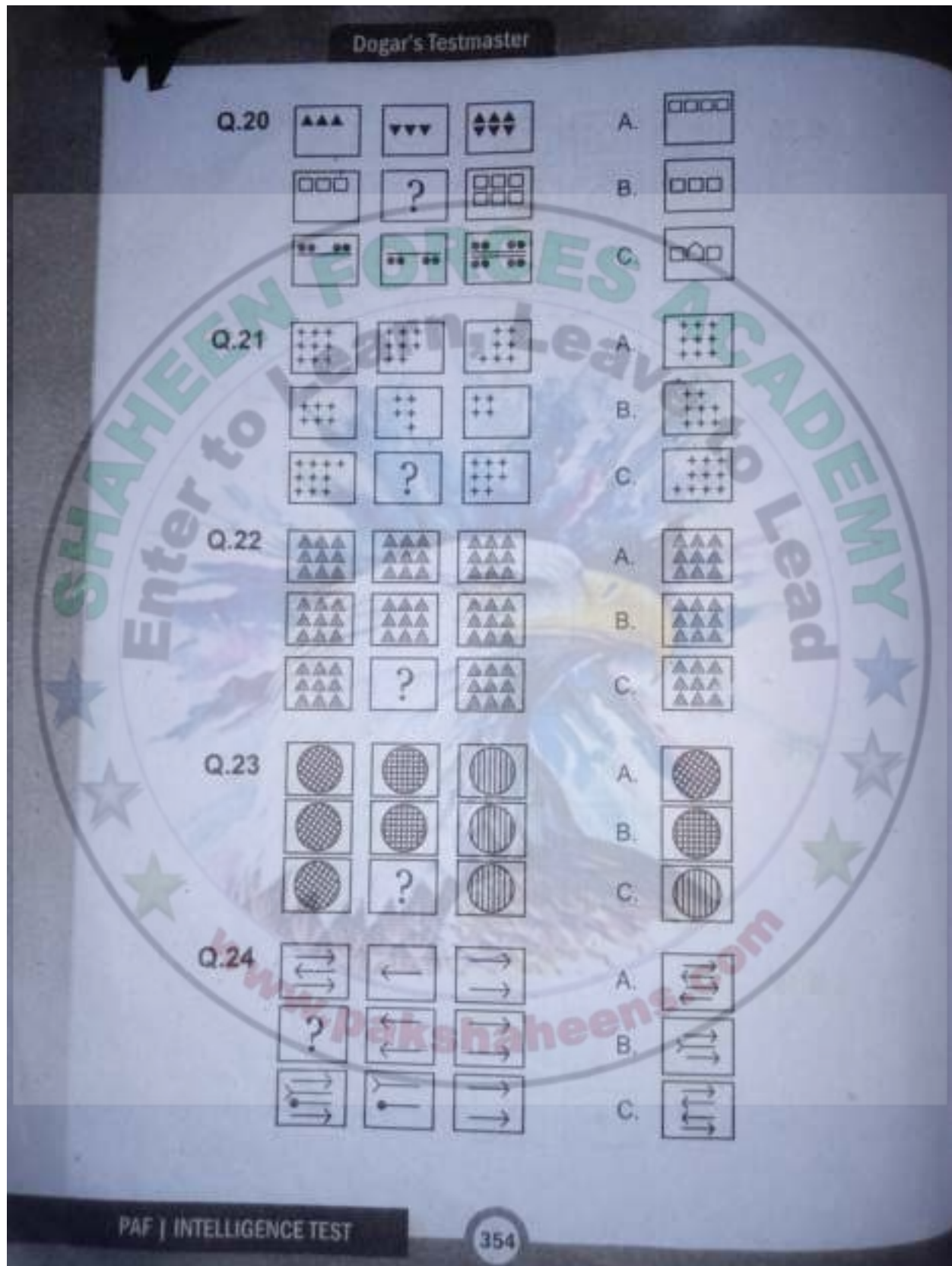
C.

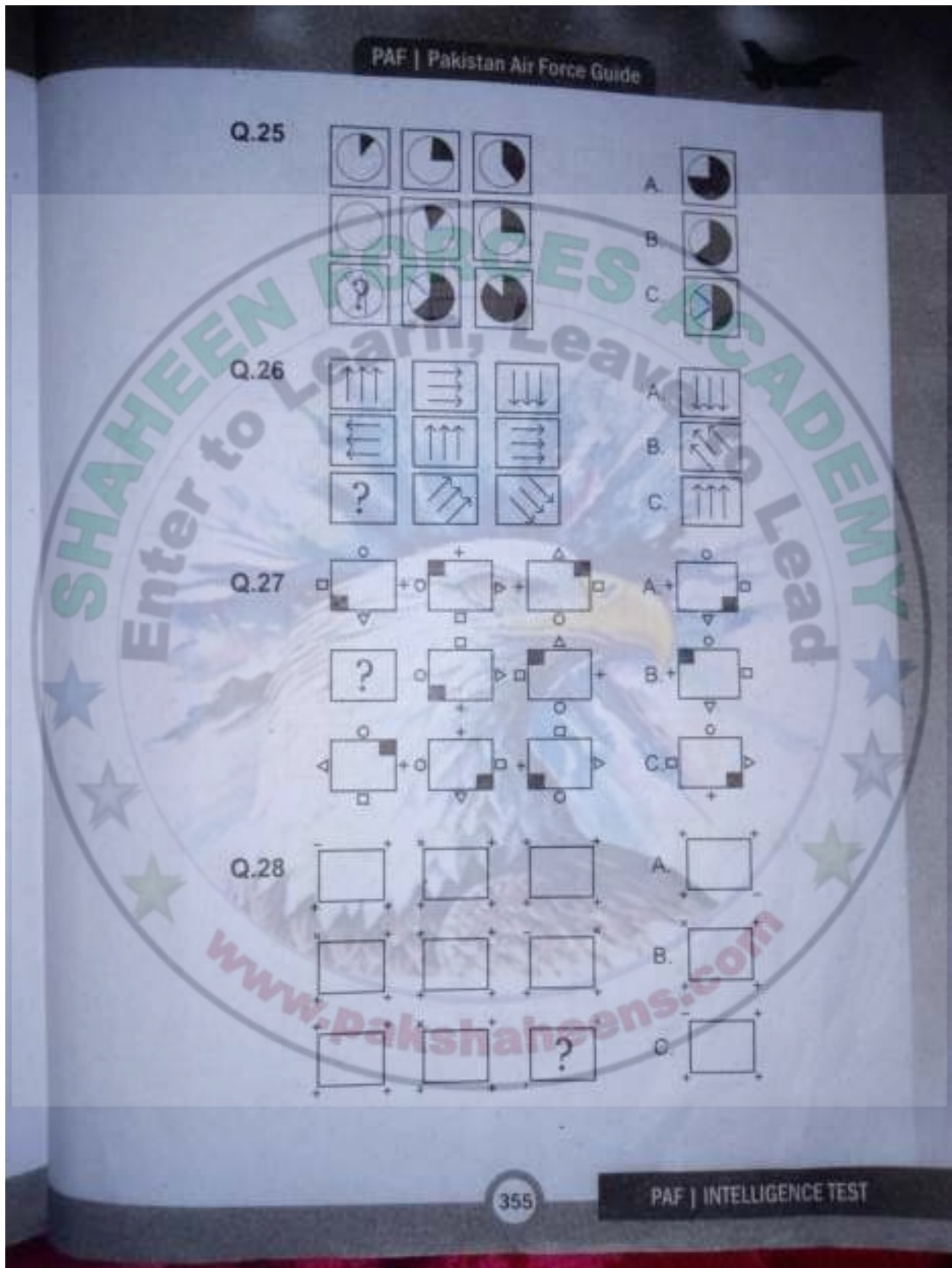












Q.29

| | | |
|--|--|--|
| | | |
| | | |
| | | |

Q.30

| | | |
|--|--|--|
| | | |
| | | |
| | | |

Q.31

| | | |
|--|--|--|
| | | |
| | | |
| | | |

Q.32

| | | |
|--|--|--|
| | | |
| | | |
| | | |

Options:

A.

B.

C.

A.

B.

C.

A.

B.


C.


A.


B.

C.

| | | |
|--|---|--|
| | | |
| | | |
| | ? | |

A. 

B. 

C. 

A. 

B. 

C. 

A. 

B. 

C. 

| | | |
|---|---|---|
| A | D | P |
| H | J | L |
| Q | S | ? |

A. **V**

B. **T**

C. **U**

Dogar's Testmaster

Q.48

| | | |
|--|--|--|
| | | |
| | | |
| | | |

Q.49

| | | |
|--|--|--|
| | | |
| | | |
| | | |

Q.50

| | | |
|--|--|--|
| | | |
| | | |
| | | |

Q.48 Options:

A.

B.

C.

Q.49 Options:

A.

B.

C.

Q.50 Options:

A.

B.

C.

ANSWER KEY

| | | | | |
|-------|-------|-------|-------|-------|
| 1. B | 2. A | 3. B | 4. C | 5. A |
| 6. A | 7. B | 8. B | 9. C | 10. A |
| 11. A | 12. C | 13. B | 14. B | 15. C |
| 16. B | 17. C | 18. C | 19. A | 20. C |
| 21. A | 22. A | 23. C | 24. B | 25. C |
| 26. B | 27. A | 28. C | 29. A | 30. B |
| 31. A | 32. B | 33. A | 34. B | 35. A |
| 36. A | 37. B | 38. A | 39. A | 40. B |

PAF I INTELLIGENCE TEST

380



For Free Practice visit <https://www.pakshaheens.com/> & for Test Pattern visit <https://tutorials.pakshaheens.com/>
For Physical Classes Join Shaheen Forces Academy, Rawalpindi (0334-8480890)

ACADEMIC TEST (PHYSICS)

ANSWER SHEET

- Remove this answer sheet and use it to fill in the letter choice corresponding to your answer choice. See the answer key at the end of the test to correct your answers when finished.

- Use only BALL PEN (Black/Blue) to shade / fill the circles. Answer sheet contains five options of answer for one question, containing alphabets from A to E inside, against each question number. You are to fill one circle you think is the right answer.

Name: _____

Date: _____

Start Time: _____

End Time: _____

| | | | | | |
|----|---|---|---|---|---|
| 1 | A | B | C | D | E |
| 2 | A | B | C | D | E |
| 3 | A | B | C | D | E |
| 4 | A | B | C | D | E |
| 5 | A | B | C | D | E |
| 6 | A | B | C | D | E |
| 7 | A | B | C | D | E |
| 8 | A | B | C | D | E |
| 9 | A | B | C | D | E |
| 10 | A | B | C | D | E |
| 11 | A | B | C | D | E |
| 12 | A | B | C | D | E |
| 13 | A | B | C | D | E |
| 14 | A | B | C | D | E |
| 15 | A | B | C | D | E |
| 16 | A | B | C | D | E |
| 17 | A | B | C | D | E |
| 18 | A | B | C | D | E |
| 19 | A | B | C | D | E |
| 20 | A | B | C | D | E |
| 21 | A | B | C | D | E |
| 22 | A | B | C | D | E |
| 23 | A | B | C | D | E |
| 24 | A | B | C | D | E |
| 25 | A | B | C | D | E |
| 26 | A | B | C | D | E |
| 27 | A | B | C | D | E |
| 28 | A | B | C | D | E |
| 29 | A | B | C | D | E |
| 30 | A | B | C | D | E |
| 31 | A | B | C | D | E |
| 32 | A | B | C | D | E |
| 33 | A | B | C | D | E |
| 34 | A | B | C | D | E |
| 35 | A | B | C | D | E |
| 36 | A | B | C | D | E |
| 37 | A | B | C | D | E |
| 38 | A | B | C | D | E |
| 39 | A | B | C | D | E |
| 40 | A | B | C | D | E |
| 41 | A | B | C | D | E |
| 42 | A | B | C | D | E |
| 43 | A | B | C | D | E |
| 44 | A | B | C | D | E |
| 45 | A | B | C | D | E |
| 46 | A | B | C | D | E |
| 47 | A | B | C | D | E |
| 48 | A | B | C | D | E |
| 49 | A | B | C | D | E |
| 50 | A | B | C | D | E |

PRACTICE TEST NO. 1

Directions:

Each question in the following section are based on Physics questions. Each of the following questions is followed by four options. Select the correct option in each case.

- The number of photoelectrons emitted from a plate depends upon
 - Intensity of incident light
 - Wavelength of incident light
 - Speed of incident light
 - Frequency of incident light
- Experimental observation of positron and electron was studied by
 - Anderson
 - Compton
 - Einstein
 - Maxwell
- A chocolate cookie is a circular disk of diameter 8.5 ± 0.02 cm and thickness 0.050 ± 0.005 cm. the average volume in cm^3 is
 - 2.83 ± 0.3
 - 2.38 ± 0.27
 - 11.35 ± 1.2
 - 9.31 ± 1.12
- The variation of the speed of sound with temperature is greatest in
 - Solids
 - Liquids
 - Gases
 - None of these
- Curie is the unit of
 - decay constant
 - activity
 - half-life
 - average life
- SI unit of water equivalent of electron is
 - Kg
 - Kg^2
 - Kg^3
 - Kg^{-1}
- The magnetic moment of electron is
 - 9.27×10^{-24} joule/tesla
 - 9.27×10^{-24} tesla/joule
 - 9.27×10^{-23} joule/tesla
 - 9.27×10^{-23} tesla/joule
- Slope of velocity time graph gives
 - distance
 - instantaneous acceleration
 - instantaneous velocity
 - instantaneous speed
- Distance covered by a freely falling body in one second is
 - 9.8m
 - 4.9m
 - 2.7m
 - 3.9m
- The instantaneous velocity is equal to the average velocity if a body moves with a
 - Univorm velocity
 - Variable velocity
 - Variaabel acceleration
 - Uniform acceleration
- The dimensions of coefficient of viscosity are
 - $\text{ML}^{-1}\text{T}^{-2}$
 - ML^2T^{-1}
 - $\text{ML}^{-1}\text{T}^{-1}$
 - None of these
- The SI unit of coefficient of viscosity is
 - $\text{kg m}^{-1}\text{s}^{-1}$
 - Nm^2g^{-2}
 - $\text{kg m}^2\text{s}^{-2}$
 - kg ms^{-2}

Dogar's Testmaster

13. Internal friction of a fluid is called
 A. Surface tension
 B. Resistance
 C. Viscosity
 D. None of these

14. The phase difference between two points on a wave front will be
 A. 0
 B. $\frac{4\pi}{\lambda}$
 C. 2π
 D. $\frac{\pi}{2}$

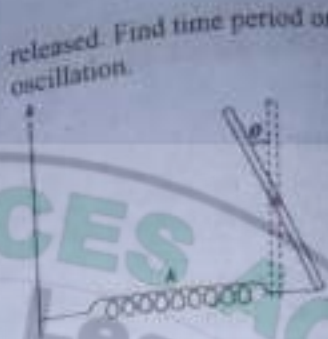
15. Who proposed wave theory of light?
 A. Huygens
 B. Galileo
 C. Einstein
 D. Newton

16. According to Young's experiment if frequency of light used is halved then fringe width becomes
 A. $\frac{2}{3}$
 B. double
 C. remains constant
 D. fringe

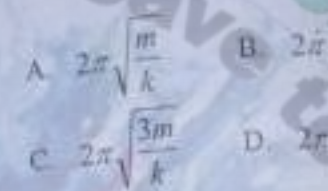
17. For constructive interference path difference should be
 A. integral multiple of $\lambda/2$
 B. integral multiple of λ
 C. odd integral multiple of λ
 D. odd integral multiple of $\lambda/2$

18. A ray of light always points
 A. anti parallel to wave front
 B. perpendicular to wave front
 C. parallel to wave front
 D. none of these

19. A uniform rod of length l mass m is fixed at the centre. A spring of spring constant k is connected to rod and wall as shown in figure. The rod is displaced by small angle θ and released. Find time period of oscillation.



20. Two solid cylinders connected with a short light rod about common axis have radius R and total mass M rest on a horizontal table top connected to a spring of spring constant k as shown. The cylinders are pulled to the left by x and released. There is sufficient friction for the cylinders to roll. Find time period of oscillation.



21. A point moves in the xy -plane according to the law $x = a \sin \alpha t$. The particle has a trajectory
 A. hyperbolic
 B. elliptic
 C. circular
 D. straight line

22. A solid ball of mass m is allowed to fall from a height h to a pan suspended with a spring of spring

constant k . Assume the ball does not rebound and pan is massless, then amplitude of the oscillation is

- A. $\frac{mg}{k}$
 B. $\frac{mg}{k} + \left(\frac{2hk}{mg}\right)^{1/2}$
 C. $mg \sqrt{1 + \frac{2hk}{mg}}$
 D. $\frac{mg}{k} \left[1 + \sqrt{1 + \frac{2hk}{mg}} \right]$

25. A, B, C are identical springs each of spring constant k as shown in Figure. Mass is displaced slightly along C and released. Find the time period of small oscillation.

- A. $T = 2\pi \sqrt{\frac{m}{k}}$
 B. $T = 2\pi \sqrt{\frac{m}{2k}}$
 C. $T = 2\pi \sqrt{\frac{m}{3k}}$
 D. $T = 2\pi \sqrt{\frac{3m}{2k}}$

26. Solids which have no regular atomic structure are called

- A. crystalline solid
 B. elastic solid
 C. glassy solid
 D. all of these

27. Polythene, polystyrene and nylon are examples of

- A. elastic solid

- B. glassy solid
 C. crystalline solid
 D. polymeric solids

28. Which one of the following is not crystalline solid?

- A. zinc
 B. copper
 C. sodium chloride
 D. none of these

29. The temperature of an ideal gas is increased from 60 K to 240 K. If at 60 K the rms velocity of the gas molecules is v , at 240 K it becomes

- A. $9v$
 B. $2v$
 C. $\frac{v}{2}$
 D. $\frac{v}{4}$

30. Two rods, one of Al and other of steel, having initial lengths l_1 and l_2 are connected together to form a single rod of length $l_1 + l_2$. The coefficient of linear expansion of aluminum and steel are α_1 and α_2 respectively. If the length of each rod increases by same amount when the temperature is raised by $t^\circ\text{C}$ then find the $\frac{l_1}{l_1 + l_2}$

- A. $\frac{\alpha_2}{\alpha_1 + \alpha_2}$
 B. $\frac{\alpha_1}{\alpha_2}$
 C. $\frac{\alpha_1}{\alpha_2}$
 D. $\frac{\alpha_2}{\alpha_1 + \alpha_2}$

31. A bimetallic strip is formed out of two identical strips one of Cu and the other of brass. The coefficients of

linear expansion of the two metals are α_c and α_s . If on heating the temperature of the strip goes up by ΔT and the strip bends to form an arc of radius R , then R is

- A. proportional to ΔT
 B. inversely proportional to ΔT
 C. proportional to $|\alpha_s - \alpha_c|$
 D. inversely proportional to $|\alpha_s - \alpha_c|$

30. A thermally insulated vessel contains two liquids at temperature T_1 and T_2 respectively and specific heats C_1 and C_2 separated by a non-conducting partition. The partition is removed and the difference between the initial temperature of one of the liquids and the temperature T stabilized in the vessel turn out to be equal to half the difference between the initial temperature of the liquids. Determine the ratio $\frac{m_1}{m_2}$ (masses of the liquids)

- A. $\frac{C_1}{C_2}$ B. $\frac{C_2}{C_1}$
 C. $\frac{C_1 + C_2}{C_2 - C_1}$ D. $\frac{C_2 - C_1}{C_1 + C_2}$

31. A gas is filled in a container at any temperature and at pressure 76 cm of Hg. If at the same temperature the mass of gas is increased by 50% then the resultant pressure will be
 A. 38 cm of Hg B. 76 cm of Hg
 C. 114 cm of Hg D. 152 cm of Hg

32. The truth table shown below is for

- A. XNOR gate B. OR gate
 C. AND gate D. NAND gate

33. A two inputs NAND gate with input A and B has an output 0 if

| A | B | X |
|---|---|---|
| 0 | 0 | 1 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

- A. A is 0 B. B is 0
 C. Both inputs are 1
 D. Both A and B are 1

34. The output of a two inputs OR gate is 0 only when its

- A. Both inputs are 0
 B. Both inputs are 1
 C. either input is 1
 D. either input is 0

35. The current through a metallic conductor is due to the motion of

- A. Electrons B. Protons
 C. Neutrons D. Free electrons

36. In gases the carriers of electricity are

- A. Protons B. Ions
 C. Electrons D. Neutrons

37. The reciprocal of the resistivity of a material is called

- A. conductivity B. permittivity
 C. permeability D. reactance

38. Magnetic flux linked with a coil changes, there is produced an induced emf in the circuit. The emf lasts

- A. for a short time

PAF | Pakistan Air Force Guide

- B. for a long time
C. for ever
D. so long as the change in flux takes place
39. Lenz's law is consequence of the law of conservation of
A. Charge B. Mass
C. Momentum D. Energy
40. A transformer consists of an iron core with
A. A primary coil
B. A secondary coil
C. Neither primary nor secondary coil
D. none of them
41. Ionization energy of H atom is
A. -13.6eV B. 13.6eV
C. 3.4eV D. none
42. Life time of meta stable state is
A. 10^3sec B. 10^{-3}sec
C. 10^{-8}sec D. none
43. The principle of LASER IS
A. induced emission
B. induced absorption
C. stimulated emission
D. all
44. The type of mass that appears in expression $F = ma$ is
A. Relativistic B. Variable
C. Gravitational D. inertial
45. An apparatus used to determine the masses of protons, nucleons is
A. Wilson's cloud chamber
B. Geiger counter
C. Mass spectrometer
- D. Solid state detector
46. The half lives of radioactive elements X and Y are 3 minute and 22 minute respectively. If the activities of both are same, then the ratio of number of atoms of X and Y will be
A. 19 B. 1:10
C. 1:1 D. 9:1
47. Which of the following radiations can penetrate 20 cm thickness of steel?
A. β -particles
B. α -particles
C. γ -rays
D. ultraviolet rays
48. Mass of electron is
A. $1.67 \times 10^{-27}\text{Kg}$
B. $1.6 \times 10^{-16}\text{Kg}$
C. $9.1 \times 10^{-31}\text{Kg}$
D. $1.66 \times 10^{-27}\text{Kg}$
49. If drag force is given by $F = krv$, what could be the SI units of k ?
A. $\text{kg m}^2 \text{s}^{-1}$ B. $\text{kg m}^{-2} \text{s}^{-2}$
C. $\text{kg m}^{-1} \text{s}^{-1}$ D. kg m s^{-1}
50. Which pair includes a base unit and a derived unit?
A. candela, mole
B. joule, pascal
C. kilogram, meter
D. second, Newton

Dogar's Testmaster

ANSWER KEY

| | | | | | | | |
|----|---|----|---|----|---|----|---|
| 1 | A | 21 | A | 41 | B | 61 | A |
| 2 | A | 22 | A | 42 | C | 62 | A |
| 3 | A | 23 | A | 43 | C | 63 | A |
| 4 | A | 24 | A | 44 | C | 64 | A |
| 5 | A | 25 | A | 45 | C | 65 | A |
| 6 | A | 26 | A | 46 | C | 66 | A |
| 7 | A | 27 | A | 47 | C | 67 | A |
| 8 | A | 28 | A | 48 | C | 68 | A |
| 9 | A | 29 | A | 49 | C | 69 | A |
| 10 | A | 30 | A | 50 | C | 70 | A |
| 11 | C | 31 | C | 51 | B | 71 | C |
| 12 | C | 32 | C | 52 | B | 72 | C |
| 13 | C | 33 | C | 53 | B | 73 | C |
| 14 | C | 34 | C | 54 | B | 74 | C |
| 15 | C | 35 | C | 55 | B | 75 | C |
| 16 | C | 36 | C | 56 | B | 76 | C |
| 17 | C | 37 | C | 57 | B | 77 | C |
| 18 | C | 38 | C | 58 | B | 78 | C |
| 19 | C | 39 | C | 59 | B | 79 | C |
| 20 | C | 40 | C | 60 | B | 80 | C |

EXPLANATIONS

3. Solution (a)

$$V = \pi r^2 l \quad \frac{dV}{V} = \frac{2dr}{r} + \frac{dl}{l}$$

$$V = \frac{22}{7} \times \frac{8.5}{2} \times \frac{8.5}{2} \times 0.050$$

$$dV = 2.83 \left(\frac{2 \times 2 \times 0.02}{8.5} + \frac{0.05}{0.050} \right) = 2.83 \left(\frac{8}{850} + \frac{1}{10} \right)$$

$$= 0.309 \text{ cm}^3$$

Thus $V = 2.83 \pm 0.3 \text{ cm}^3$

19. Solution (d) $x = 1a = -(kx) \frac{1}{2}$

$$\text{or } \frac{m l^2}{12} a = - \left(k \frac{1}{2} \theta \right) \frac{1}{2}$$

$$\text{or } a = - \frac{3k}{m} \theta$$

$$\text{or } \omega = \sqrt{\frac{3k}{m}}$$

$$\text{or } T = 2\pi \sqrt{\frac{m}{3k}}$$

20. Solution (c)

$$\tau = \left(\frac{MR^2}{2} + MR^2 \right) \alpha = -kxR$$

$$\text{or } a = R\alpha = -\frac{2kx}{3M}$$

$$\text{or } \omega = \sqrt{\frac{2k}{3m}}$$

$$\text{or } T = 2\pi \sqrt{\frac{3M}{2k}}$$

21. Solution (b) $\frac{x}{a} = \sin \omega t$

$$\frac{y}{b} = \cos \omega t$$

Square & add (1) and (2)

$$\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1 \text{ which shows ellipse}$$


22. Solution (d) $mg(h+x) = \frac{1}{2} kx^2$

PAF | Pakistan Air Force Guide

$$x^2 - \left(\frac{2mg}{k}\right)x - \left(\frac{2mgh}{k}\right) = 0$$

$$x = \frac{mg}{k} + \frac{mg}{k} \sqrt{1 + \frac{2fk}{mg}}$$

23. Solution (c) Net force as shown in Figure is



$$F = (kx + kx \cos 60 + kx \cos 60) = 2kx$$

$$Ma = 2kx$$

$$a = \frac{2k}{m}x$$

$$v = \sqrt{\frac{2k}{m}}$$

$$T = 2\pi \sqrt{\frac{m}{2k}}$$

27. Solution (b)

$$\frac{v_1}{v_2} = \frac{\sqrt{\frac{3RT_1}{M}}}{\sqrt{\frac{3RT_2}{M}}} = \sqrt{\frac{T_1}{T_2}} \therefore v_2 = 2v_1$$

28. Solution (d) $\frac{l_1}{l_2} = \frac{\alpha_1}{\alpha_2}$

Or $1 + \frac{l_1}{l_2} = 1 + \frac{\alpha_1}{\alpha_2}$

Or $\frac{l_1}{l_1 + l_2} = \frac{\alpha_1}{\alpha_1 + \alpha_2}$

29. Solution (b), (d) $l_a = l_s(1 + \alpha_s \Delta T)$
 $l_c = l_s(1 + \alpha_c \Delta T)$
 $l_r = R\phi, l_s + (R+d)\theta$
 Thus $\frac{R+d}{R} = \frac{1 + \alpha_s \Delta T}{1 + \alpha_c \Delta T}$
 Or $1 + \frac{d}{R} = 1 + (\alpha_s - \alpha_c)\Delta T$
 (Thus correct choices are (b) and (d))

30. Solution (b) $T = T_1 = T_2 = T$

$$= \frac{(T_1 - T_2)}{2}$$
 (given T is temperature of the mixture)
 Apply heat lost = heat gained
 $M_1 C_1 (T_1 - T) = m_2 C_2 (T - T_2)$

$$\frac{m_1}{m_2} = \frac{C_2 (T - T_2)}{C_1 (T_1 - T)} = \frac{C_2}{C_1}$$

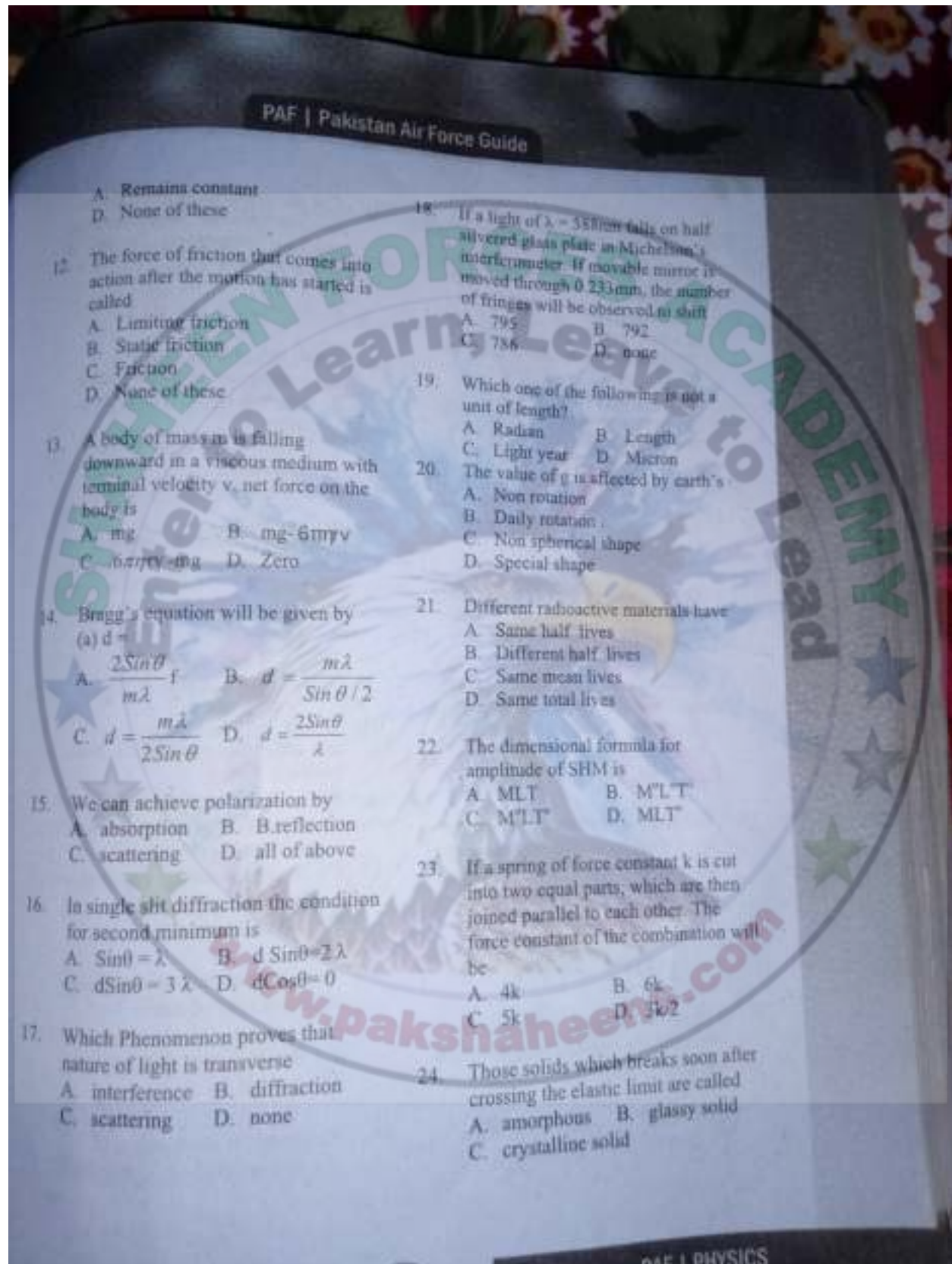
www.pakshaheens.com

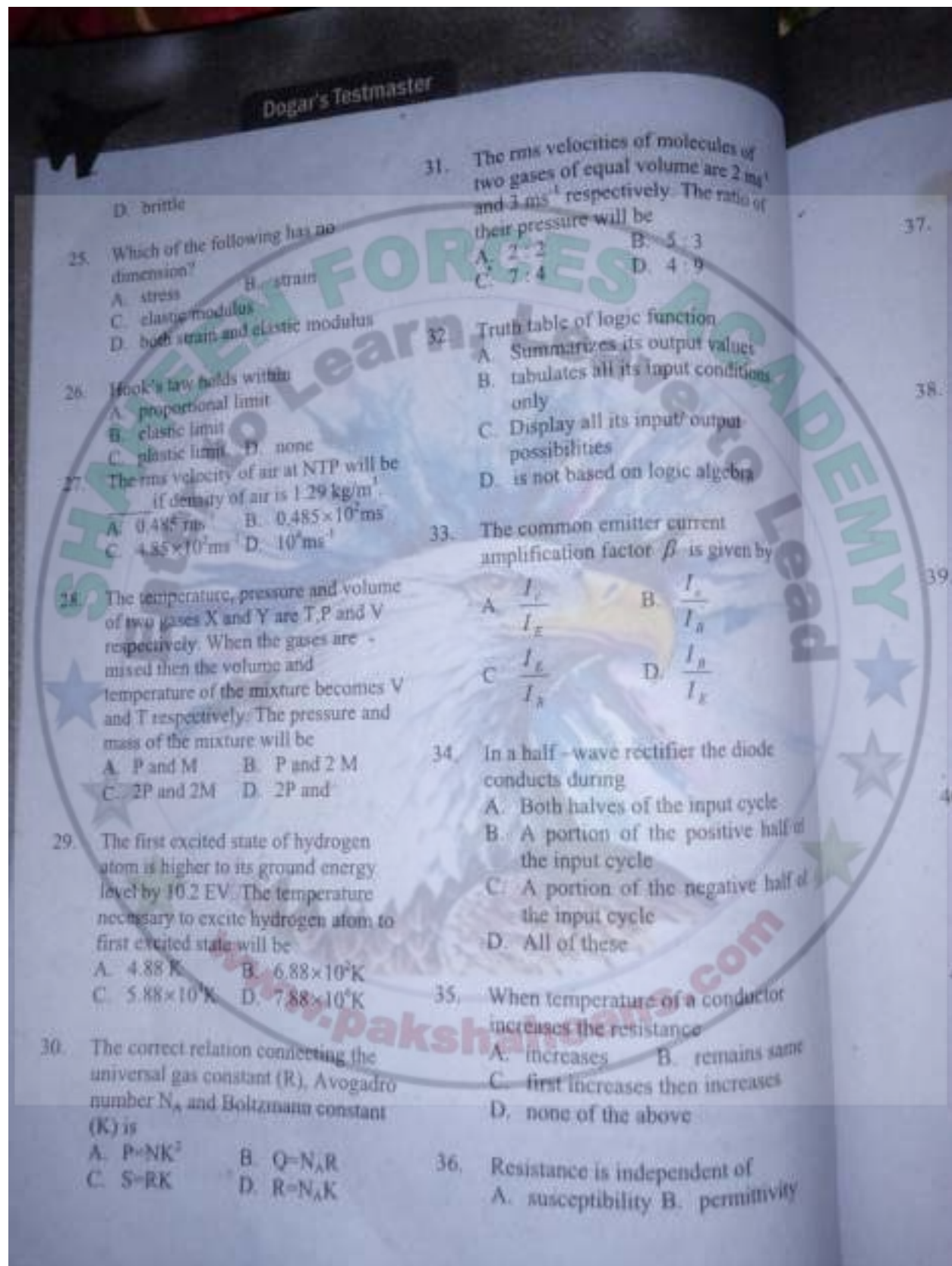
PRACTICE TEST NO. 2

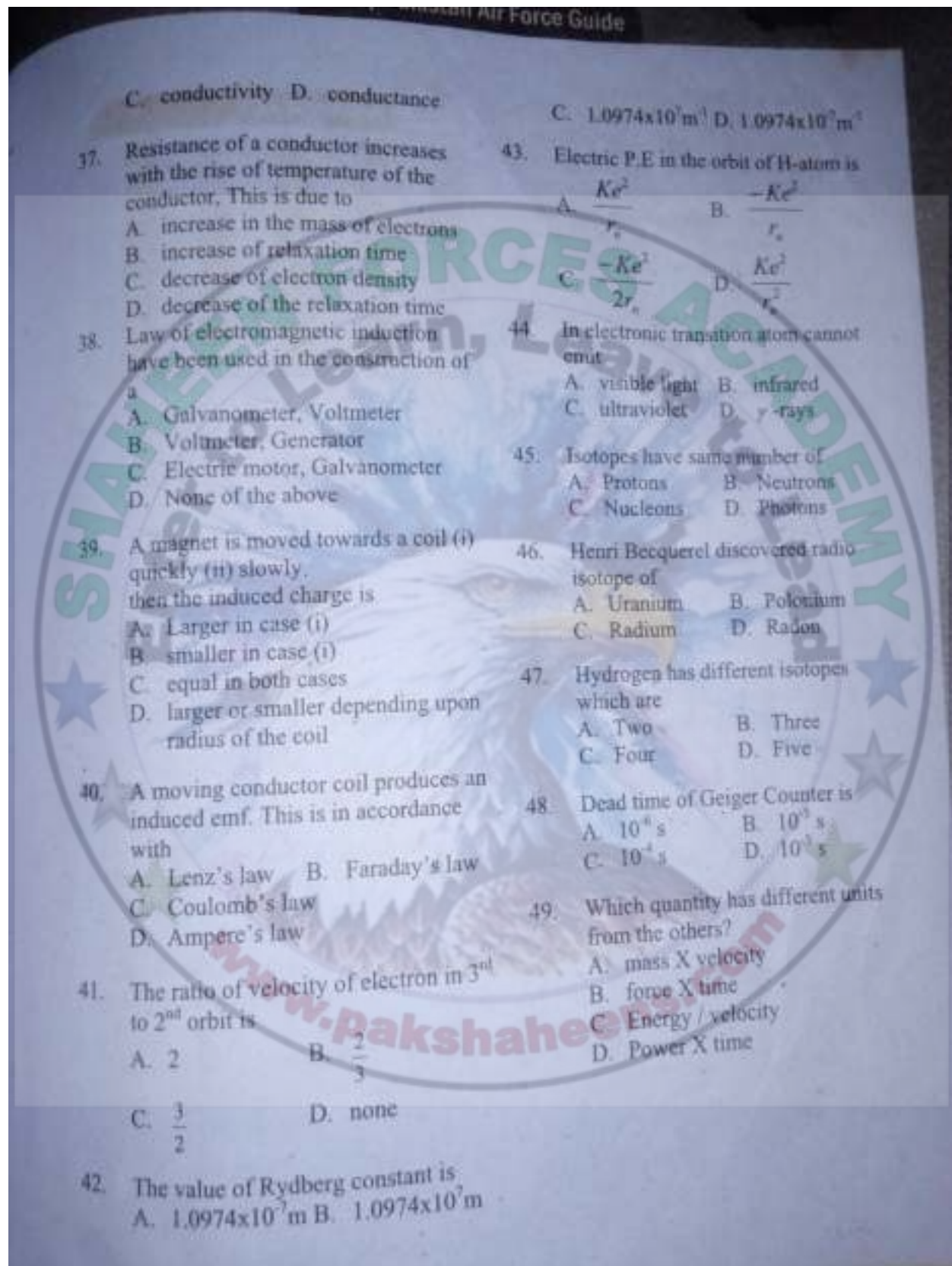
Directions:

Each question in the following section are based on Physics questions. Each of the following questions is followed by four options. Select the correct option in each case.

1. One electrostatic unit (esu) of charge is equivalent to
 - A. 3.3×10^9 Coulomb
 - B. 3.3×10^9 Coulomb
 - C. 3.3×10^{19} Coulomb
 - D. 3.3×10^{11} Coulomb
2. The value of solar constant in SI system is
 - A. 1340 watt/m²
 - B. 1340 watt/m
 - C. 1340 m²/watt
 - D. 1340 watt/m
3. The correct statement about Poisson's ratio is
 - A. Its unit is N/m²
 - B. It is dimensionless
 - C. Its unit is Newton
 - D. Its dimensions are MLT⁻²
4. The SI unit of gravitational potential is
 - A. Joule/Kg
 - B. Kg/Joule
 - C. Joule/Kg
 - D. None of these
5. One watt-hour is equivalent to
 - A. 3.6×10^3 Joule
 - B. 3.6×10^4 Joule
 - C. 6.3×10^3 Joule
 - D. 6.3×10^3 Joule
6. The frequency of a human male's voice as compared to that of a female is
 - A. Low
 - B. High
 - C. Equal
 - D. None of these
7. The dimensions of intensity of energy are
 - A. ML⁻¹T⁻¹
 - B. ML²T⁻²
 - C. ML²
 - D. ML⁻²T⁻¹
8. Time of flight of projectile is
 - A. $V_i \sin \theta / g$
 - B. $2V_i \sin \theta / g$
 - C. $2V_i^2 \sin \theta / g$
 - D. none
9. Area between the velocity time graph and time axis is equal to
 - A. speed of object
 - B. distance covered
 - C. velocity of the object
 - D. acceleration
10. When the magnitude of the drag force becomes equal to the weight, then net force acting on the droplet is
 - A. Zero
 - B. Maximum
 - C. Remains the same
 - D. None of these
11. The drag force increases as the speed of the object
 - A. Decreases
 - B. Increases







Dogar's Testmaster

50. Neon and Argon are monatomic gases. One mole of neon has mass 20 g while that of argon is 40 g. What will be the relation between numbers of atoms in one mole of each gas?

A. Neon contains always twice that of argon
 B. Argon contains always twice that of neon
 C. Neon and argon always contain equal number of atoms in one mole
 D. This rule does not apply to monatomic gases

ANSWER KEY

| | | | | | | | | | |
|----|---|----|---|----|---|----|---|-----|---|
| 1 | C | 21 | A | 41 | B | 61 | A | 81 | A |
| 2 | A | 22 | C | 42 | B | 62 | B | 82 | B |
| 3 | B | 23 | D | 43 | B | 63 | C | 83 | D |
| 4 | B | 24 | D | 44 | A | 64 | A | 84 | D |
| 5 | B | 25 | C | 45 | B | 65 | D | 85 | B |
| 6 | A | 26 | D | 46 | C | 66 | B | 86 | A |
| 7 | D | 27 | C | 47 | B | 67 | C | 87 | B |
| 8 | A | 28 | D | 48 | B | 68 | D | 88 | A |
| 9 | A | 29 | C | 49 | B | 69 | D | 89 | C |
| 10 | A | 30 | B | 50 | B | 70 | D | 90 | C |
| 11 | B | 31 | D | 51 | A | 71 | A | 91 | D |
| 12 | B | 32 | C | 52 | B | 72 | B | 92 | D |
| 13 | B | 33 | C | 53 | B | 73 | C | 93 | B |
| 14 | B | 34 | C | 54 | B | 74 | C | 94 | B |
| 15 | B | 35 | C | 55 | B | 75 | C | 95 | B |
| 16 | B | 36 | A | 56 | B | 76 | C | 96 | B |
| 17 | B | 37 | D | 57 | B | 77 | C | 97 | B |
| 18 | B | 38 | D | 58 | B | 78 | C | 98 | B |
| 19 | B | 39 | D | 59 | B | 79 | C | 99 | B |
| 20 | B | 40 | B | 60 | B | 80 | D | 100 | C |

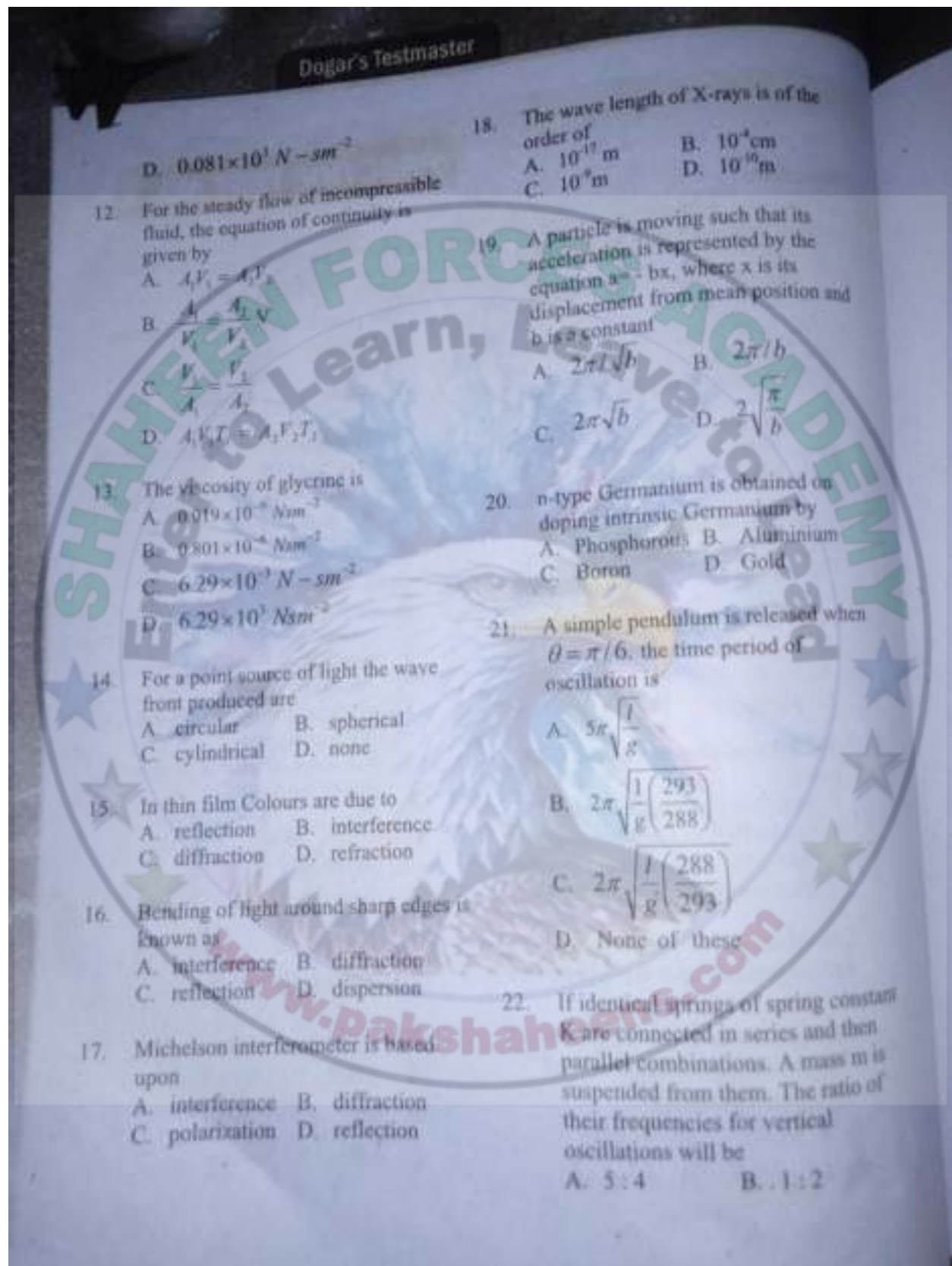
www.pakshaheens.com

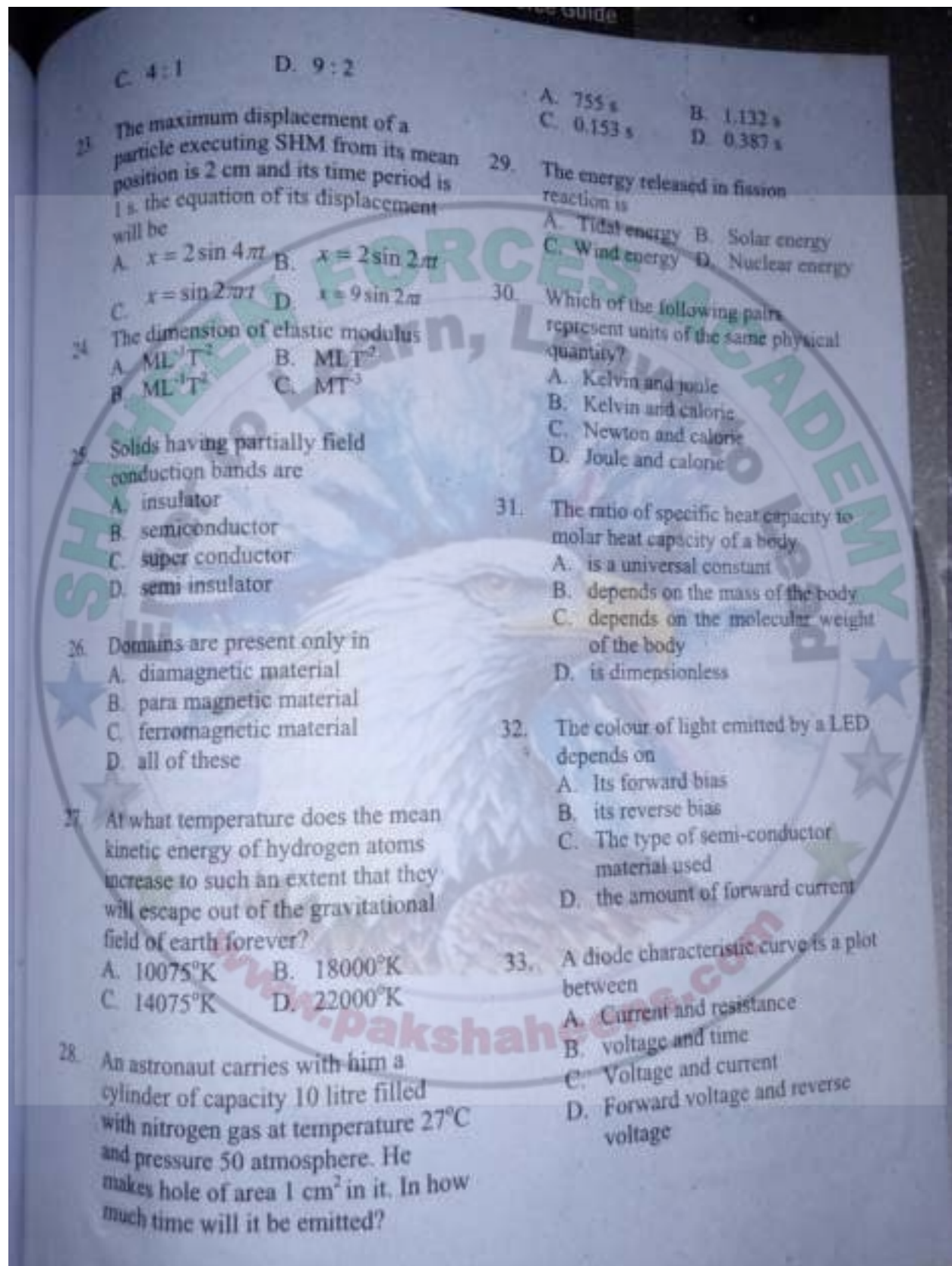
PRACTICE TEST NO. 3

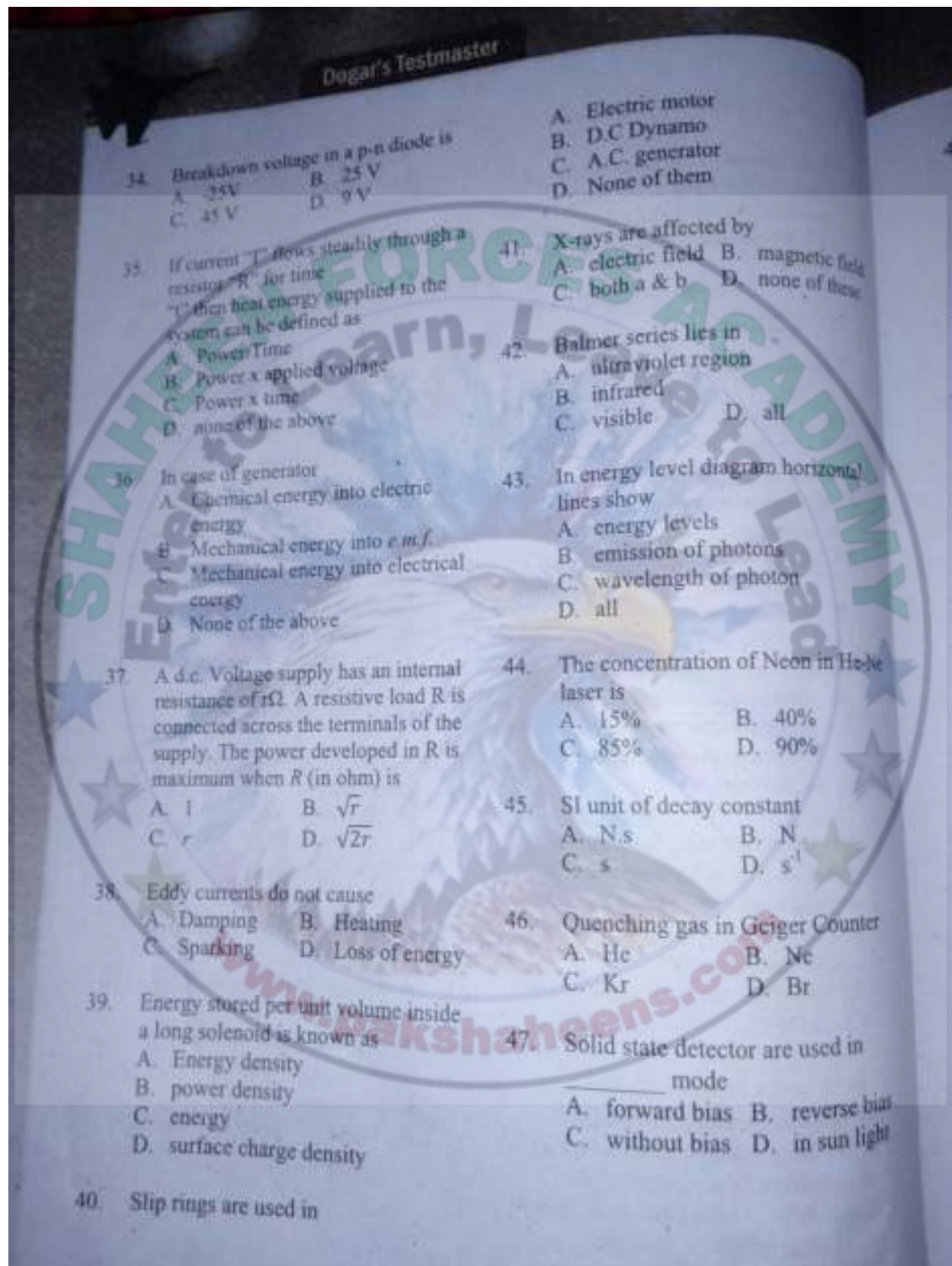
Directions:

Each questions in the following section are based on Physics questions. Each of the following questions is followed by four options. Select the correct option in each case.

- Which of the following is not the unit of time?
A. Leap year B. Lunar month
C. Solar day D. Parallaxic second
- One micron is equivalent to
A. 10^{-4} m B. 10^{-6} m
C. 10^4 m D. 10^6 m
- The mass of electron in Me V is
A. $1.02 \text{ MeV}/c^2$ B. $0.51 \text{ MeV}/c^2$
C. $51 \text{ MeV}/c^2$ D. $102 \text{ MeV}/c^2$
- The ratio of nuclear magneton and Bohr magneton is
A. m_p/m_e B. m_p/m_e
C. m_p/m_p D. $2m_p/m_e$
- The value of Faraday number in SI unit is
A. 9.65 Coulomb/kg/equivalent
B. 9.65×10^7 Coulomb/kg/equivalent
C. 9.65×10^{-7} Coulomb/kg / equivalent
D. 9.65 coulomb/kg/equivalent
- The velocity of ripples on water surface depends upon the wavelength λ , density of water d and acceleration due to gravity g . Which of the following relation is correct among these quantities?
A. $V^2 ag\lambda$ B. $V^2 alg/\lambda$
C. $V^2 a\lambda/gd$ D. $V^2 ag\lambda d$
- The fundamental unit of the quantity of matter is
A. Kg B. Mol
C. Gm D. Meter
- Relation between range and maximum range is
A. $R = R_{\max} \sin\theta$ B. $R = R_{\max} \sin\theta/2$
C. $R = R_{\max} \sin 2\theta$ D. $R_{\max} = R \sin 2\theta$
- In an inelastic collision
A. both K.E and momentum are conserved
B. both K.E and momentum are not conserved
C. momentum is conserved and K.E is not conserved
D. K.E is conserved and momentum is not conserved
- Viscosity of air is
A. $0.019 \times 10^{-1} \text{ Nsm}^{-2}$
B. $0.019 \times 10^{-1} \text{ N} \cdot \text{sm}^{-2}$
C. $0.0019 \times 10^{-1} \text{ N} \cdot \text{sm}^{-2}$
D. $0.0019 \times 10^{-1} \text{ Nsm}^{-2}$
- The viscosity of water is
A. $0.019 \times 10^{-1} \text{ Nsm}^{-2}$
B. $0.801 \times 10^{-1} \text{ N} \cdot \text{sm}^{-2}$
C. $6.29 \times 10^{-1} \text{ N} \cdot \text{sm}^{-2}$







48. In a nuclear reaction, which conservation law holds:
- conservation of mass
 - conservation of energy
 - conservation of charge
 - all are correct

49. Pick out the INCORRECT statement

- force, $[MLT^{-2}]$
- energy, $[ML^2T^{-2}]$
- power, $[MLT^{-3}]$
- density, $[ML^{-3}T^{-1}]$

50. Dimension of impulse is same as that of
- force
 - torque
 - momentum
 - angular momentum



ANSWER KEY

| | | | | | | | | | |
|----|---|----|---|----|---|----|---|----|---|
| 1 | D | 6 | B | 11 | B | 16 | A | 21 | B |
| 2 | B | 7 | B | 12 | C | 17 | C | 22 | B |
| 3 | B | 8 | A | 13 | C | 18 | B | 23 | A |
| 4 | B | 9 | A | 14 | D | 19 | C | 24 | A |
| 5 | A | 10 | A | 15 | D | 20 | A | 25 | B |
| 6 | C | 11 | A | 16 | D | 21 | A | 26 | B |
| 7 | C | 12 | A | 17 | D | 22 | A | 27 | B |
| 8 | C | 13 | C | 18 | C | 23 | A | 28 | C |
| 9 | C | 14 | C | 19 | C | 24 | A | 29 | C |
| 10 | D | 15 | C | 20 | A | 25 | A | 30 | C |
| 11 | D | 16 | D | 21 | D | 26 | D | 31 | B |

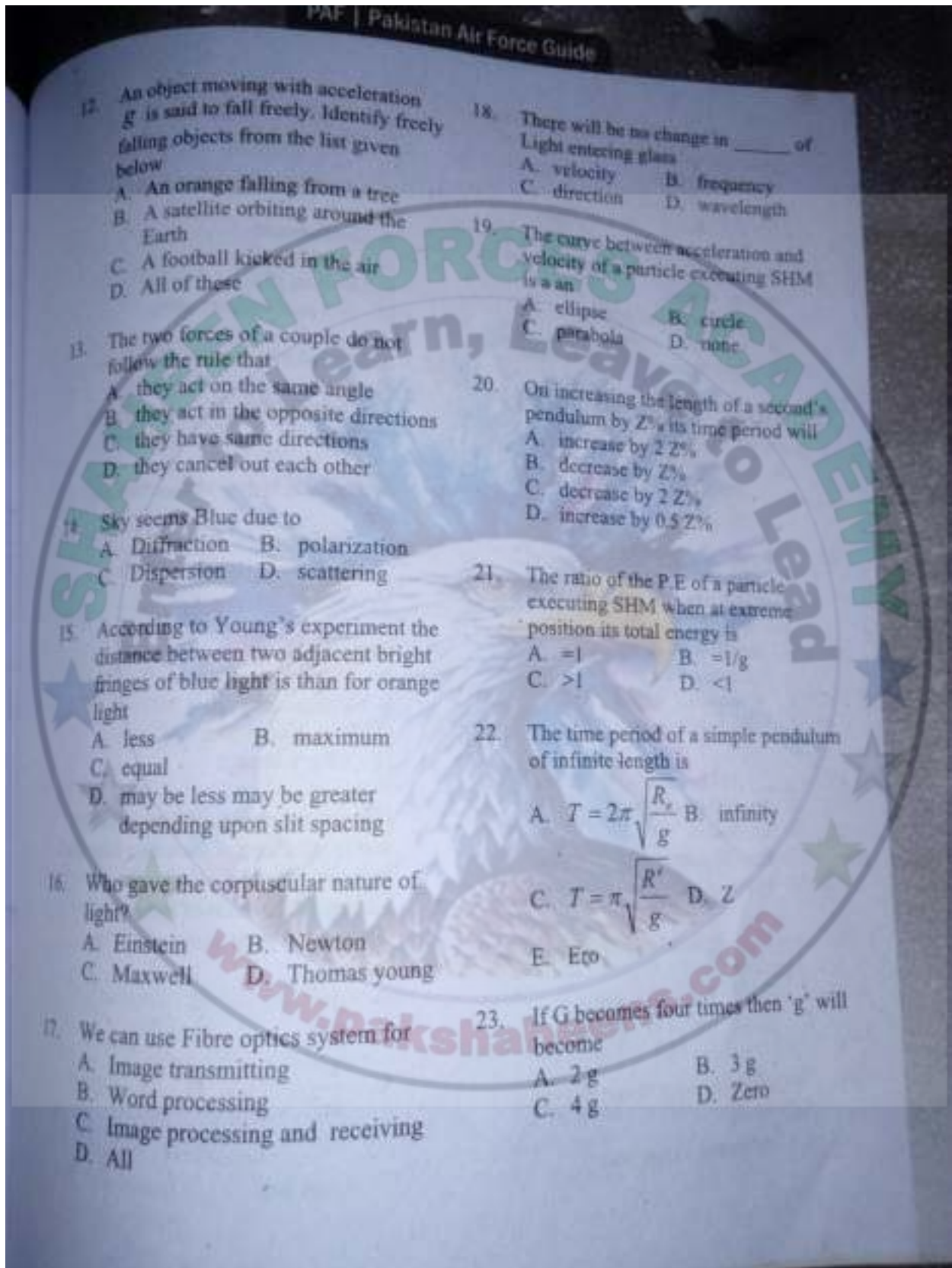
www.pakshaheens.com

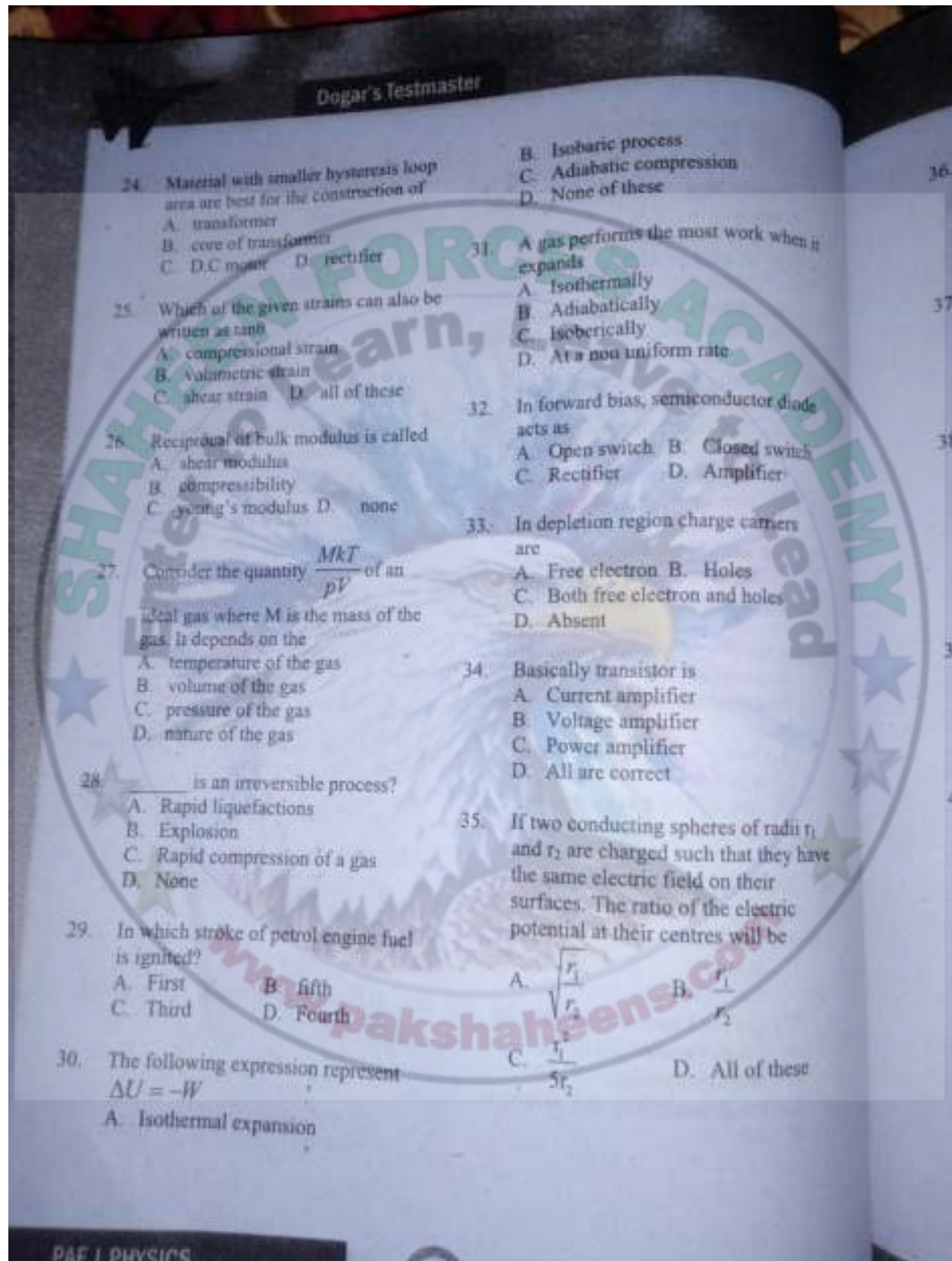
PRACTICE TEST NO. 4

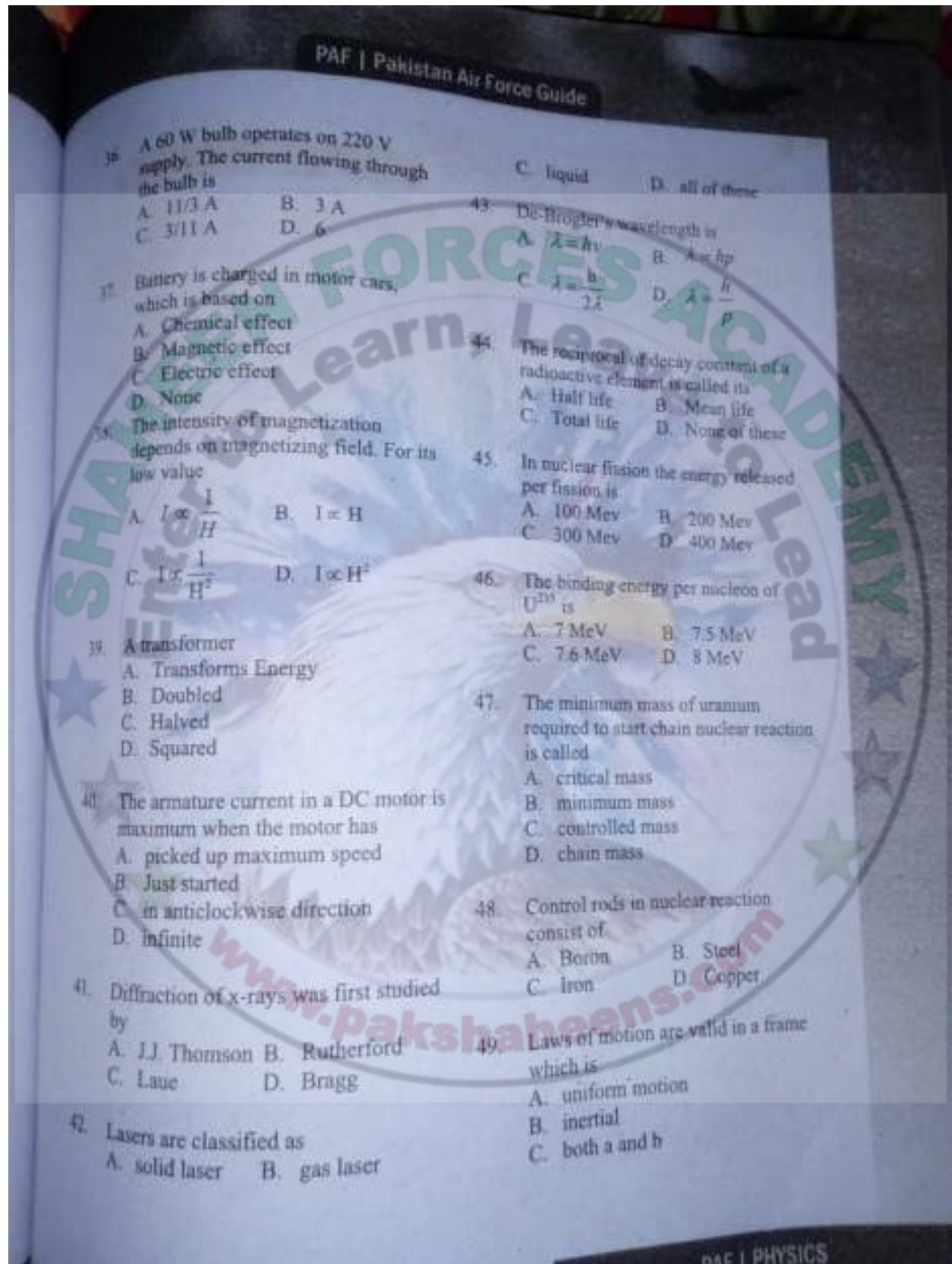
Directions:

Each question in the following section are based on Physics questions. Each of the following questions is followed by four options. Select the correct option in each case.

1. In an experiment to determine acceleration due to gravity by simple pendulum, a student commits 4% positive error in the measurement of length and 3% negative error in the measurement of time period. The percentage error in the values of g will be
 A. 7% B. 10%
 C. 4% D. 3%
2. The dimensions of the coefficient of viscosity are
 A. $[ML^{-1}T^{-1}]$ B. $[MLT]$
 C. $[M^{-1}L^{-1}T^{-1}]$ D. $[M^0L^0T^0]$
3. If the error in the measurement radius of a sphere is 1%, then the error in the measurement of volume will be
 A. 8% B. 5%
 C. 3% D. 1%
4. The ratio of the atomic radius to nuclear radius is
 A. 10^4 B. 10^{-4}
 C. 10^2 D. 10^{-2}
5. One fermi is equivalent to
 A. 10^{-14} meter B. 10^{14} meter
 C. 10^{-15} meter D. 10^{15} meter
6. Debye is the unit of
 A. magnetic dipole moment
 B. electric dipole moment
 C. density
 D. RMS velocity
7. The units of the temperature coefficient of resistance are
 A. ΩK^{-1} B. K^{-1}
 C. ΩK D. $(\Omega K)^{-1}$
8. Force due to water flow is
 A. ma/t B. mv/t
 C. m/t D. mt/v
9. Trajectory of projectile is
 A. ellipse B. hyperbola
 C. parabola D. none of these
10. The spherical object will have the terminal velocity
 A. $V_t = \frac{2gr^2\rho}{9\eta}$ B. $V_t = \frac{MG}{4\pi r\eta}$
 C. $V_t = \frac{mg}{6\pi r}$ D. None of these
11. The centre of gravity of an object is
 A. the point at which the gravity acts
 B. the point at which the total torque is minimum
 C. the geometrical centre of the body
 D. the point at which the weight of the object seems to act







Dogar's Testmaster

50. Under normal circumstances, the volume of the blood is sufficient to keep the vessels

A. inflated all the time
B. deflated all the time
C. contracted all the time
D. squeezed all the time

ANSWER KEY

| | | | | |
|-------|-------|-------|-------|-------|
| 1. A | 2. A | 3. C | 4. A | 5. C |
| 6. A | 7. B | 8. B | 9. C | 10. A |
| 11. D | 12. D | 13. D | 14. B | 15. A |
| 16. B | 17. D | 18. B | 19. A | 20. D |
| 21. A | 22. B | 23. C | 24. A | 25. C |
| 26. B | 27. D | 28. B | 29. C | 30. C |
| 31. A | 32. C | 33. D | 34. A | 35. B |
| 36. C | 37. A | 38. C | 39. C | 40. B |
| 41. D | 42. D | 43. D | 44. B | 45. B |
| 46. C | 47. A | 48. A | 49. C | 50. A |

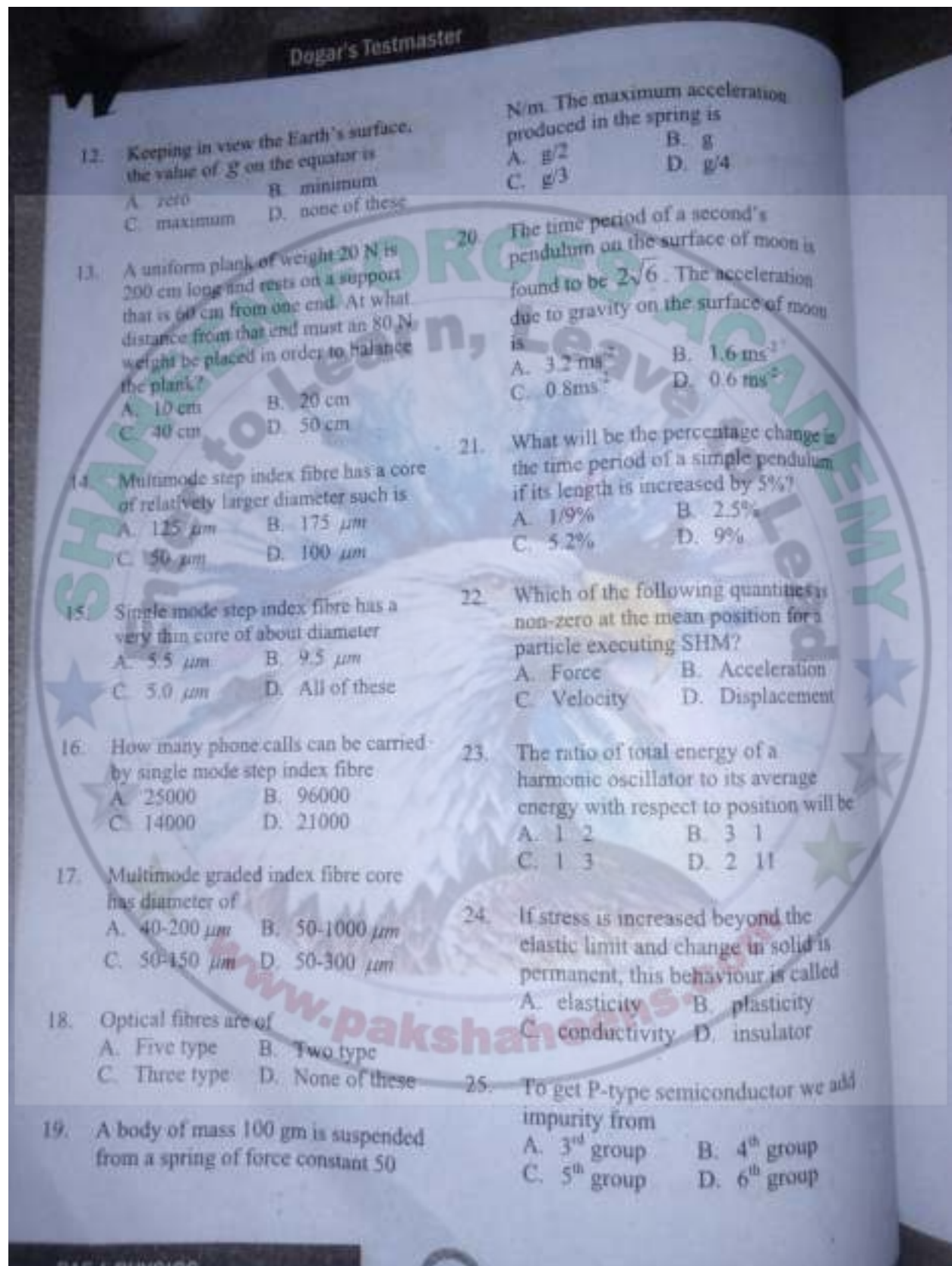
www.pakshaheens.com

PRACTICE TEST NO. 5

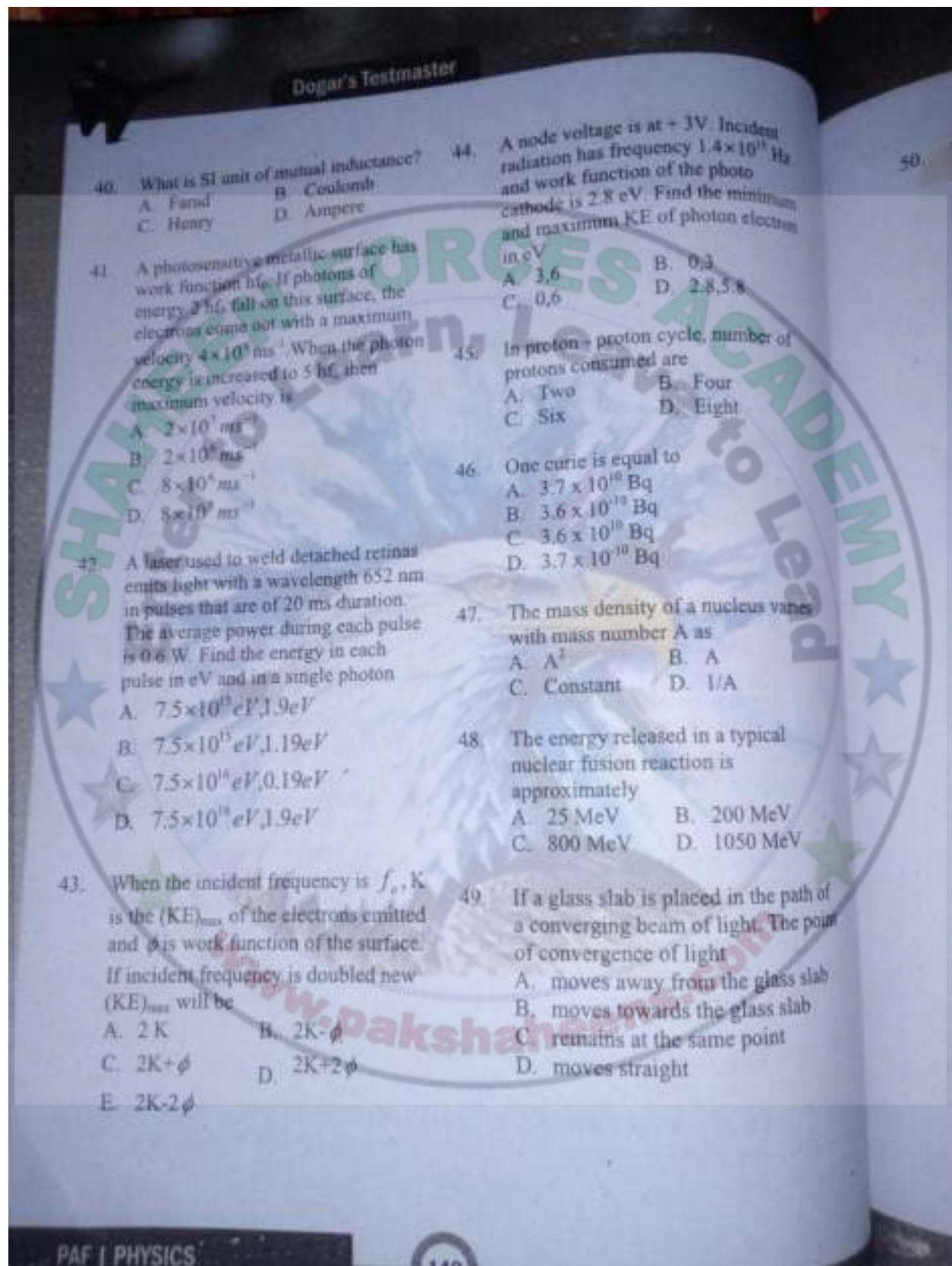
Directions:

Each question in the following section are based on Physics questions. Each of the following questions is followed by four options. Select the correct option in each case.

- How many wave lengths of Kr^{86} are contained in one meter?
- A. 1553164.13 B. 652189.63
C. 2347127.23 D. 1650763.73
- When two bodies stick together after collision, the collision is said to be
- A. Inelastic B. Elastic
C. Partially elastic
D. None of the above
- A science student takes 100 observations in an experiment. Second time he takes 500 observations in the same experiment. By doing so the possible error becomes
- A. 5 time B. 1/5 times
C. Unchanged D. none of these
- If the error in the measurement of radius of a sphere is 1% then the error in the measurement of volume will be
- A. 1.1% B. 3%
C. 5% D. 8%
- Light year is the unit of
- A. Speed B. mass
C. distance D. time
- Debye is the unit of
- A. density
B. rms velocity
C. electric dipole moment
D. magnetic dipole moment
- The unit of surface energy per unit area may be expressed as
- A. Nm^{-2} B. Nm^{-1}
C. Nm D. Nm^2
- A particle is projected horizontally from a height of 10m. Time taken by it to hit the ground is
- A. 1Sec B. 2Sec
C. $\sqrt{2}$ Sec D. $\sqrt{3}$ Sec
- A force of 10N acts on a body of mass 2 kg for 2 sec. Rate of change of momentum of body is
- A. $5kg\ m/sec^2$ B. $10kg\ m/sec^2$
C. $15kg\ m/sec^2$ D. none of these
- Sound waves having frequency in between 2KH and 4KH are called
- A. Infrasonic B. Ultrasonic
C. Threshold of hearing
D. Threshold of pain
- A body falling freely under the action of gravity has
- A. constant weight
B. variable weight
C. maximum weight
D. no weight











EXPLANATIONS

35. Solution (c) $\frac{\frac{1}{2}mv_1^2}{\frac{1}{2}mv_2^2} = \frac{hf_1 - \phi}{hf_2 - \phi}$ or

$$\frac{v_{1\max}}{v_{2\max}} = \frac{2hf_1 - hf_2}{2hf_2 - hf_1} = \frac{1}{2}$$

36. Solution (d) $E(\text{eV}) = \frac{1240}{652} = 1.9 \text{ eV}$ (in a single photon)

Energy in 20 ns $= 0.6 \times 20 \times 10^{-3} = 1.2 \times 10^{-2} \text{ J}$

$$= \frac{1.2 \times 10^{-2}}{1.6 \times 10^{-19}} \text{ eV}$$

$$= 7.5 \times 10^{16} \text{ eV}$$

37. Solution (c) $K = hf - \phi$

$$2K = 2hf - 2\phi$$

$$= 2hf - 2\phi + \phi$$

$$= 2(hf - \phi) + \phi$$

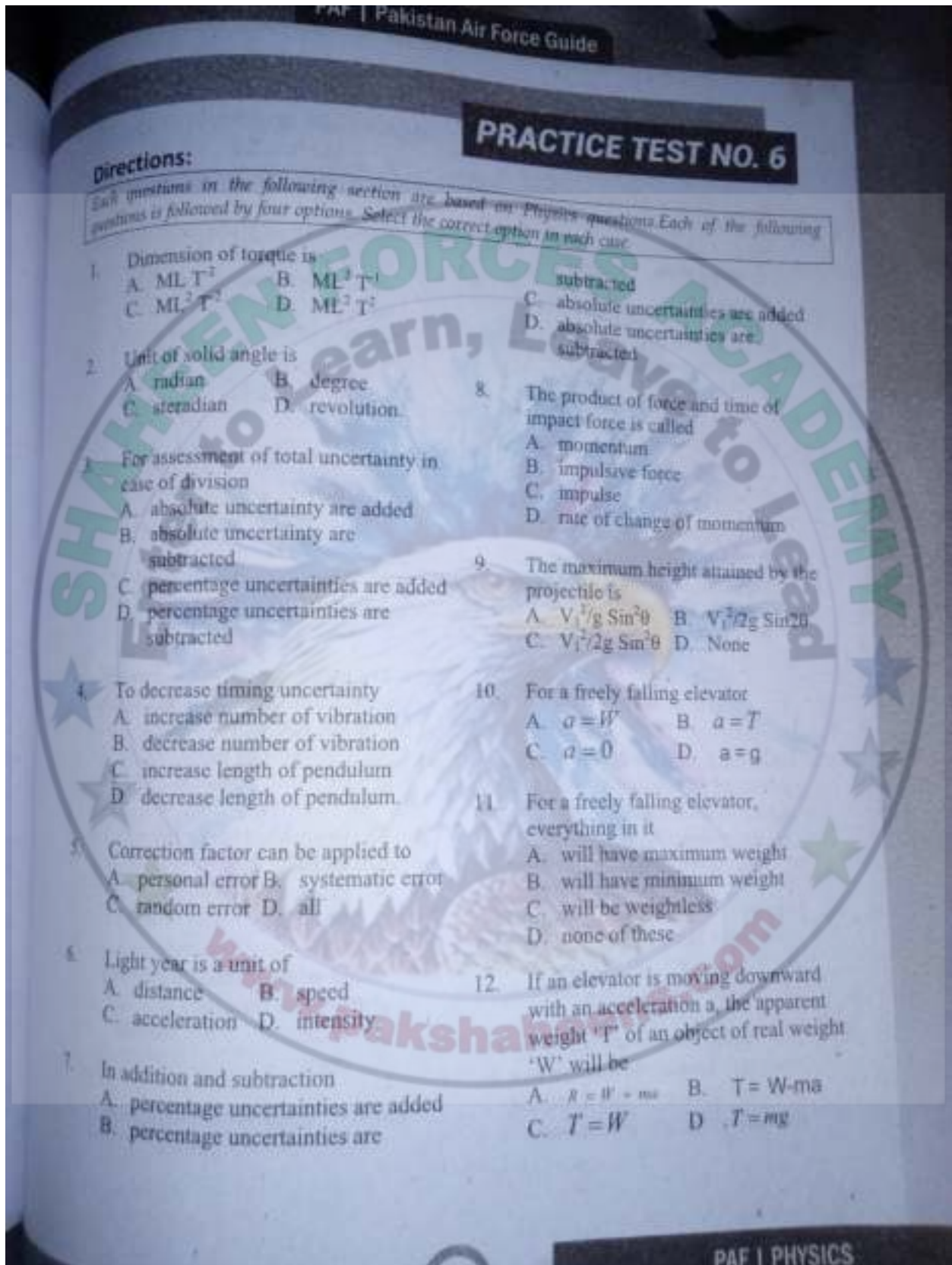
$$2K + \phi$$

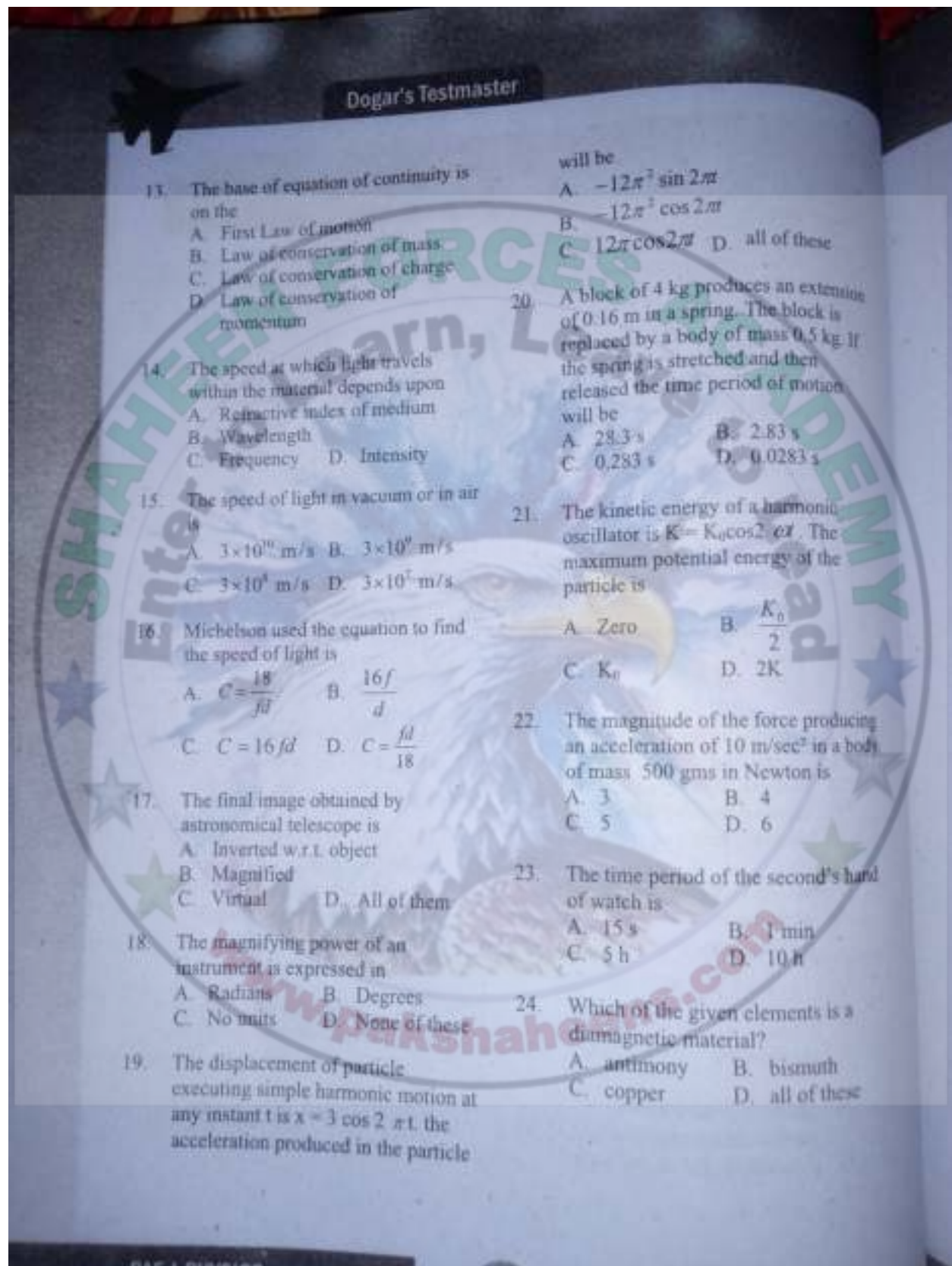
38. Solution (a) $hf = \frac{6.625 \times 10^{-34} \times 1.4 \times 10^{15}}{1.6 \times 10^{-19}} = 5.8 \text{ eV}$

$$(KE)_{\min} = hf - \phi = 5.8 - 2.8 = 3 \text{ eV}$$

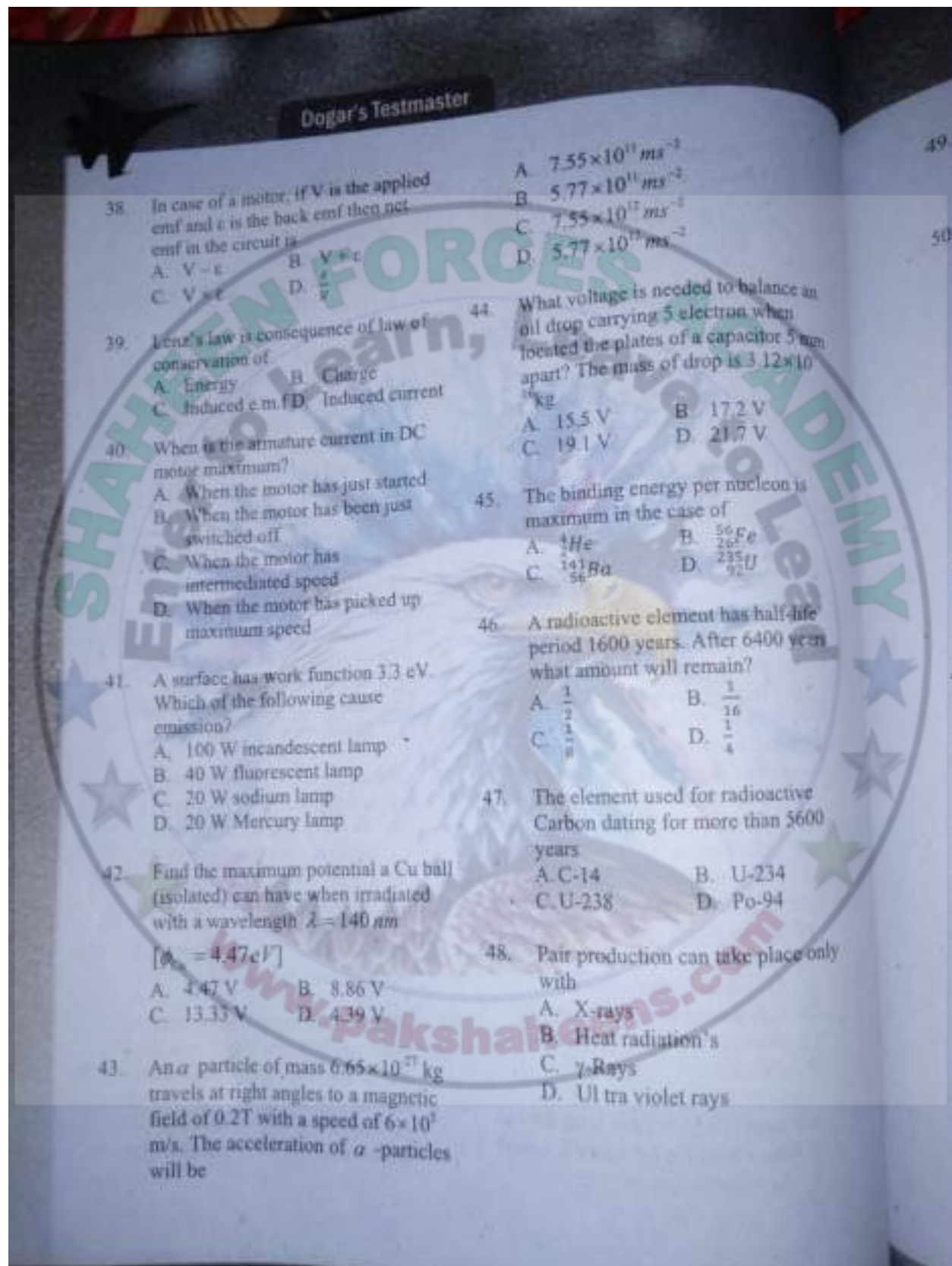
Since anode voltage is 3V, the electrons emitted with zero K_e will acquire an energy = 3 eV and the electrons emitted with 3 eV will acquire 3+3=6 eV

\therefore min $KE = 3 \text{ eV}$ and max $KE = 6 \text{ eV}$





- Yttrium barium copper oxide ($\text{YBa-Cu}_3\text{O}_7$) becomes superconductor at
- A. 163 K B. -110°C
C. Both a and b D. None of these
- Steel is more elastic than rubber because
- A. it is a metal
B. its density is higher
C. ratio of stress to strain is more
D. ratio of stress to strain is less
- The efficiency of Carnot engine depend upon
- A. Sink temperature
B. Source temperature
C. Both a and b D. No one
- An engine which converts heat energy into useful work upto 35% to 40% is
- A. Petrol engine B. Diesel engine
C. Heat engine D. Carnot engine
- A device which convert heat energy into mechanical energy is called
- A. Heat engine B. Pettier engine
C. Carnot engine
D. All of above
- An ideal heat engine has 100% efficiency only if its exhaust temperature is
- A. Less than input temperature
B. Equal to input temperature
C. Greater than input temperature
D. 0 K
- A system in which there is no transfer of mass across the boundary is called
- A. An isolated system B. A closed system
C. An open system
D. None of these
- A device which convert A.C into D.C is called
- A. converter B. rectifier
C. oscillator D. translator
- P-type semi conductor is electrically
- A. positive charged
B. negatively charged
C. neutral D. no one
- What is the minimum distance between an object and its real image in a convex lens?
- A. $2f$ B. $3f$
C. $4f$ D. $5f$
- The process of obtaining D.C from A.C using diode valve is called
- A. Rectification B. Amplification
C. Modulation D. Detection
- Thermocouple is an arrangement of two different metals
- A. To convert heat energy in to electrical energy
B. To produce more heat
C. To convert heat energy into chemical energy
D. To convert electric energy in to heat energy
- A heater coil is cut into two equal parts and only one part is now used in the heater. The heat generated will now be
- A. four times B. doubled
C. halved D. one fourth



40. Work done by centripetal force is
 A. Zero B. Maximum
 C. Positive D. Negative

41. Identify the INCORRECT statement
 A planet is observed by an astronomical telescope having objective of focal length 16 m and eye-piece of focal length 2 cm. Then
 A. the distance between the objective and eye-piece is 16.02 cm
 B. the angular magnification of the planet is 800
 C. the image of the planet is inverted
 D. the objective is larger than the eye-piece

ANSWER KEY

| | | | | | | | | | |
|---|---|----|---|----|---|----|---|----|---|
| 1 | A | 11 | C | 21 | A | 31 | B | 41 | B |
| 2 | C | 12 | B | 22 | B | 32 | A | 42 | C |
| 3 | C | 13 | C | 23 | C | 33 | B | 43 | C |
| 4 | C | 14 | B | 24 | B | 34 | A | 44 | A |
| 5 | D | 15 | D | 25 | A | 35 | A | 45 | A |
| 6 | B | 16 | A | 26 | D | 36 | D | 46 | A |



EXPLANATIONS

41. Solution (d) Minimum wavelength of visible region
 $\lambda_{\min} = 400 \text{ nm}$

$$E (\text{eV}) = \frac{6.625 \times 10^{-34} \times 3 \times 10^8}{400 \times 10^{-9} \times 1.6 \times 10^{-19}} = 3.1 \text{ eV}$$

42. Solution (d) $eV = \frac{hc}{\lambda} - \phi$

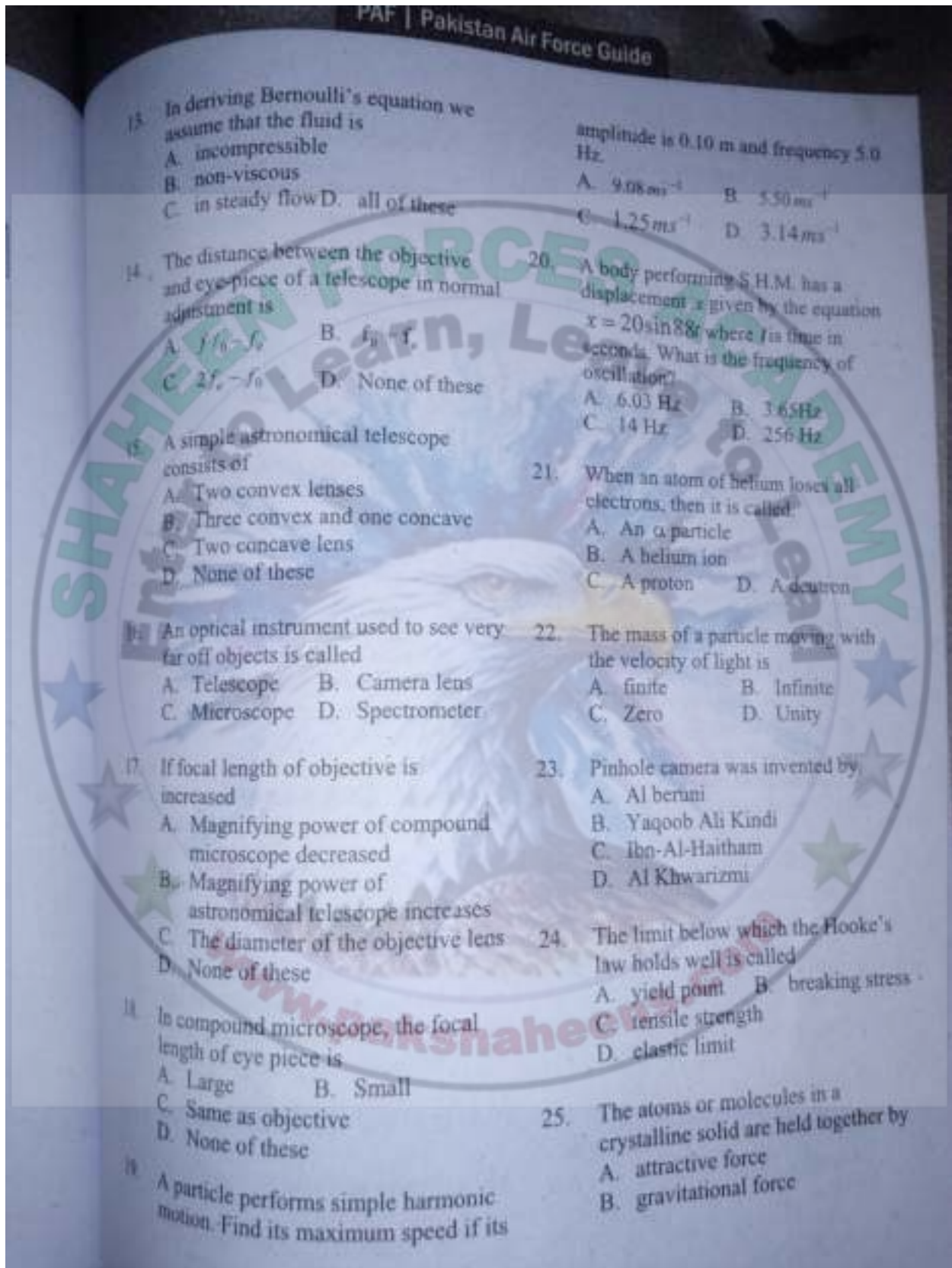
$$\frac{1240}{140} - 4.47 = 8.86 - 4.47 = 4.39 \text{ eV}$$

PRACTICE TEST NO. 7

Directions:

Each questions in the following section are based on Physics questions. Each of the following questions is followed by four options. Select the correct option in each case.

- The number of seconds in one year are
A. 3.154×10^8 B. 3.154×10^7
C. 3.154×10^6 D. 3.154×10^5
- Dimension of G are
A. $[ML^2T^{-2}]$ B. $[M^{-1}L^2T^{-2}]$
C. $[M^{-1}L^3T^{-2}]$ D. $[M^{-1}L^3T^{-2}]$
- Galvanometer is a device used for the deflection and measurement of
A. Voltage B. Current
C. Temperature D. Pressure
- SI system is based upon _____ kind of units.
A. one B. two
C. three D. four
- Reduce the following figure up to three significant figure 64.4567
A. 64.5 B. 64.4
C. 64.3 D. None
- Fractional error in a measured quantity is determined by
A. measured value / Absolute error
B. absolute error / measured value
C. measured value + absolute error
D. measured value - absolute error
- Dimension of coefficient of viscosity is
A. $[MLT^{-1}]$ B. $[L^2T^{-1}]$
- Slope of displacement time graph gives
A. instantaneous velocity
B. instantaneous acceleration
C. work done D. force
- Range of projectile is maximum when thrown at an angle of
A. 30° B. 60°
C. 45° D. 75°
- The drag force increases if the speed of the object moving through a fluid
A. increases B. decreases
C. Remains constant D. None of these
- When a droplet falls through a medium with terminal velocity, the acceleration is
A. maximum B. minimum
C. constant D. zero
- Bernoulli's equation is the fundamental equation in fluid dynamics that relates pressure to
A. height of fluid column
B. fluid speed
C. both of these D. none of these



Dogar's Testmaster

C. cohesive force
D. electromagnetic force

26. Upon applying some unbalanced external stress, the deformation may be observed in
A. length B. surface area
C. volume D. all of these

27. Lenz's law is a consequence of the law of conservation of
A. Mass B. Energy
C. Momentum D. Charge

28. The expression $PV^\gamma = \text{Constant}$ holds good in
A. adiabatic process
B. isothermal processes
C. isothermal process
D. None of these

29. The rate of change of angular momentum of a body is equal to
A. Impulsive force
B. Applied force
C. Moment of Inertia
D. The applied torque

30. Identify the correct expression for the molar volume V_m of a gas, where all symbols carry their standard meaning
A. $\frac{nRT}{P}$ B. $\frac{N_A RT}{P}$
C. $\frac{nKT}{P}$ D. $\frac{RT}{P}$

31. Calculate the number of atoms in an ideal gas at S.T.P. ($T=27^\circ\text{C}$, $P=100\text{ kPa}$)
A. 5×10^{22} B. 2×10^{23}
C. 5×10^{23} D. 5×10^{25}

32. The electronic circuits which perform various logic operations are called
A. Series circuits
B. Parallel circuits
C. Digital circuits
D. Logic gates

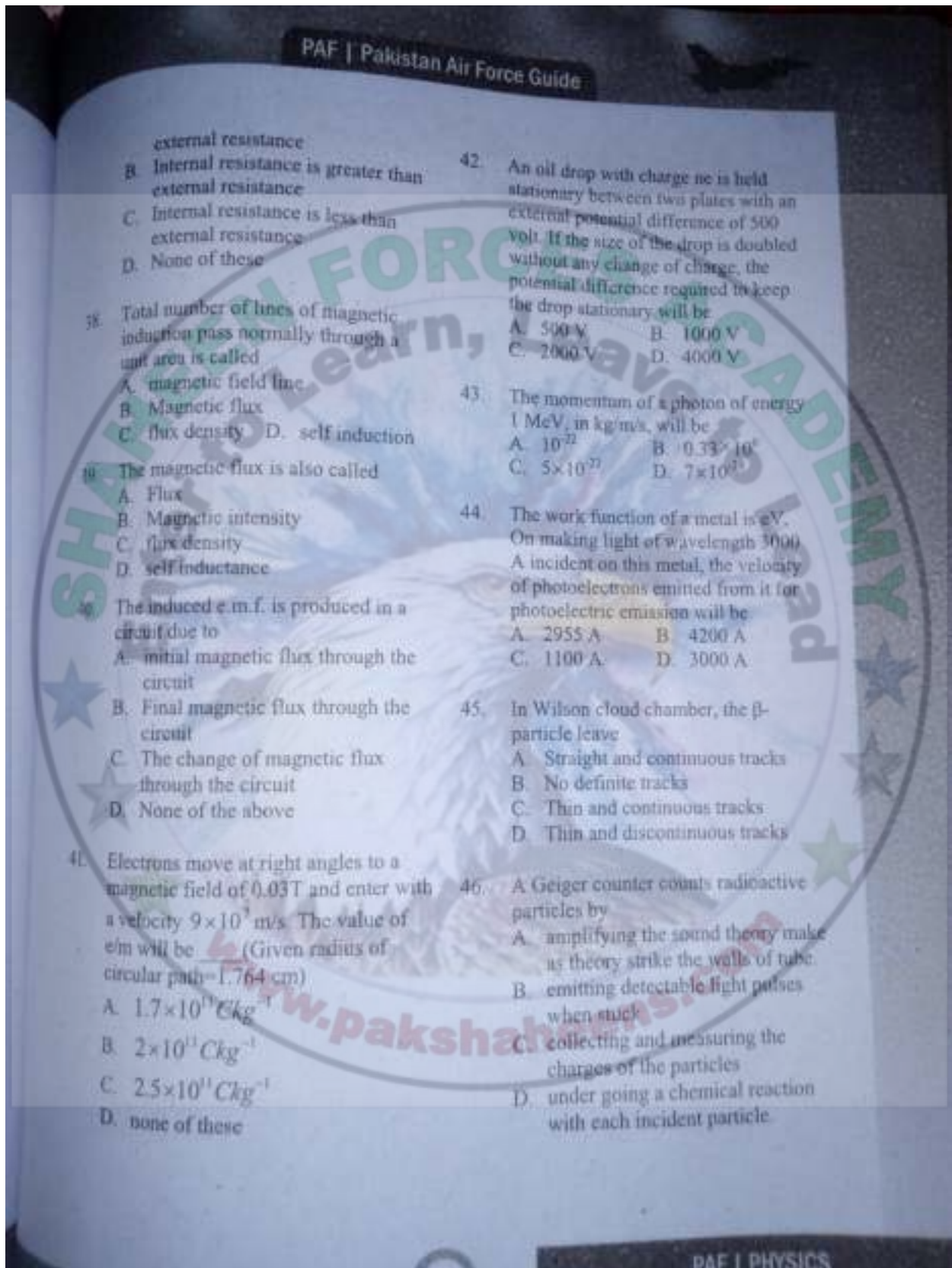
33. The output of a two-input OR gate is '0' only when
A. both inputs are 0
B. both inputs are 2
C. either input is 5
D. either input is 3

34. The output of a two-input AND gate has output '1' only when
A. both inputs are 3
B. both inputs are 1
C. either input is 2
D. either input is 6

35. If an electron is accelerating through a potential difference of 500 volt. The velocity obtained by the electron will be
A. $(2/3) \times 10^8 \text{ ms}^{-1}$ B. $(1/6) \times 10^8 \text{ ms}^{-1}$
C. $(11) \times 10^7 \text{ ms}^{-1}$ D. none of these

36. The temperature of hot junction of a thermocouple changes from 80°C to 100°C . Percentage change in thermoelectric power will be
A. 80% B. 90%
C. 55% D. 25%

37. Current provided by a battery is maximum when
A. Internal resistance equal to



Dogar's Testmaster

47. γ -rays show _____ in Wilson cloud chamber

- A. thin and discontinuous tracks
- B. irregular cloud tracks
- C. dense straight and continuous tracks
- D. no definite tracks

48. I¹³¹ is used for the remedy of

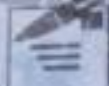
- A. Skin cancer
- B. Thyroid disabilities
- C. Lungs cancer
- D. none of these

49. The amount of strain energy stored in a deformed material is expressed as

- A. $\frac{2EI_1}{L}$
- B. $\frac{1}{2} EAI_1$
- C. $\frac{1}{2} \left[\frac{EA \times I_1^2}{L} \right]$
- D. $\frac{1}{2} \left[\frac{EA \times I_1}{L^2} \right]$

50. Substances which break just after the elastic limit is crossed are called

- A. soft substances
- B. hard substances
- C. brittle substances
- D. ductile substances



ANSWER KEY

| | | | | |
|-------|-------|-------|-------|-------|
| 1. D | 2. C | 3. B | 4. C | 5. A |
| 6. B | 7. C | 8. A | 9. C | 10. A |
| 11. D | 12. B | 13. D | 14. B | 15. A |
| 16. A | 17. B | 18. B | 19. D | 20. C |
| 21. A | 22. B | 23. C | 24. D | 25. C |
| 26. D | 27. B | 28. A | 29. D | 30. D |
| 31. B | 32. D | 33. A | 34. B | 35. D |
| 36. D | 37. A | 38. C | 39. C | 40. C |
| 41. A | 42. D | 43. C | 44. C | 45. D |
| 46. D | 47. D | 48. B | 49. C | 50. C |

www.pakshaheens.com

PRACTICE TEST NO. 8

Directions:

Each question in the following section are based on Physics questions. Each of the following questions is followed by four options. Select the correct option in each case.

- Which one of the following quantities has not been expressed in proper units except?
 - Elasticity
 - Surface tension
 - Energy
 - Pressure
- Three students measured the length of needle with a meter rod. Which of the following is correct measurement?
 - 0.2145 m
 - 0.21 m
 - 0.2142 m
 - none of these
- Prefix Pico stands for
 - 10^{-6}
 - 10^{-9}
 - 10^{-12}
 - 10^{-15}
- Zero error of the instrument is a type of
 - random error
 - personal error
 - systematic error
 - classified error
- What are the base units of Planck's constant h ? Remember the energy of a photon is given by hf where f represents the frequency
 - kg m s^{-1}
 - $\text{kg m}^2 \text{s}^{-1}$
 - $\text{kg m}^2 \text{s}^{-2}$
 - $\text{kg m}^2 \text{s}^{-3}$
- Identify the correct unit of pressure among these
 - kg m s^{-1}
 - $\text{kg m}^{-1} \text{s}^{-2}$
 - $\text{kg m}^{-2} \text{s}^{-2}$
 - $\text{kg m}^{-2} \text{s}^{-1}$
- What is the ratio $\frac{1 \text{ nm}}{1 \mu\text{m}}$?
 - 10^{-12}
 - 10^{12}
 - 10^{-3}
 - 10^{-3}
- Dimension of momentum is
 - ML^2T
 - M^2LT
 - MLT
 - MLT^2
- A projectile thrown at an angle of 30° has range 10m. Another projectile thrown at an angle of 60° with same initial velocity has range
 - 5m
 - 10m
 - 20m
 - none
- The speed of efflux is equal to the velocity gained by the falling fluid under the action of gravity through a certain height is known as
 - equation of continuity
 - Bernoulli's Equation
 - Toricelli's Theorem
 - Venturi's relation
- The expression for Torricelli's theorem is given by
 - $v_2 = \sqrt{2g(h_2 - h_1)}$

- B. $v_2 = \sqrt{2g(h_2 + h_1)}$
 C. $v_2 = \sqrt{2g(h_1 - h_2)}$
 D. $v_2 = \sqrt{g(h_2 - h_1)}$
12. A 10 m high tank is full of water. A hole appears in its wall near its bottom. Taking the value of g as 9.8 ms^{-2} the speed of efflux is
 A. 11 ms^{-1} B. 12 ms^{-1}
 C. 13 ms^{-1} D. 14 ms^{-1}
13. Venturi's relation is given by
 A. $P_1 + P_2 = \frac{1}{2} \rho v_2^2$
 B. $P_1 - P_2 = \frac{1}{2} \rho v_2^2$
 C. $P_1 + P_2 = \frac{1}{2} \rho^2 v_2$
 D. $P_1 - P_2 = \frac{1}{2} \rho^2 v_2$
14. The resolving power in the m th order for a diffraction grating equals to
 A. $R = N \times m$ B. $R = \frac{N}{m}$
 C. $R = \frac{m}{N}$ D. $R = \frac{1}{N - m}$
15. Light traveling through vacuum enters water. Which characteristic of light does not change?
 A. velocity B. frequency
 C. wavelength D. amplitude
16. In a pond, water is 10 m deep. An object is held 15 m above water surface. Locate the image of the object in the water.
 (Refractive Index of water = $\frac{4}{3}$)
 A. 100 m deep B. 150 m deep
 C. 30/4 m deep D. 45/4 m deep
17. Which of the following colors will have minimum critical angle when light passes from glass to air?
 A. red B. blue
 C. yellow D. orange
18. Which of the following radiation will be focused farthest from a convex lens?
 A. X-rays B. γ -rays
 C. microwaves D. β -rays
19. If a graph is plotted between time period of a pendulum and its length, the graph will be
 A. a parabola
 B. a rectangular hyperbola
 C. a straight line
 D. an irregular curve
20. An object executing SHM has a velocity 3 cm/s when the displacement is 4 cm. It has a velocity of 4 cm/s when the displacement is 3 cm. The amplitude of motion of this object is
 A. 5 cm B. 6 cm
 C. 6.2 cm D. 7 cm
21. A long steel pipe is tapped at its one end. A listener at the other end hears two sounds
 A. of the same intensity, at the same

- time
- B. less intense sound first, more intense later
- C. more intense first, less intense later
- D. of the same intensity, but at different instants
22. The normal temperature of a healthy human body on Kelvin scale is
- A. 310 K B. 320 K
C. 330 K D. 340 K
23. In which of the following cases Doppler's effect cannot be observed?
- A. The source moving and the wind blowing along, with the same speed
- B. The listener moving and the wind blowing along, with the same speed
- C. The source and the listener moving with the same velocity in the same direction
- D. The source and the listener moving with the same velocity in the opposite directions
24. Stress that induces a change in the shape of the body is named as
- A. tensile stress
B. volumetric stress
C. shear stress D. none of these
25. The SI unit of modulus of elasticity is
- A. pascal or Nm^{-2}
B. joule
C. newton D. ampere
26. If stress is increased beyond the elastic limit, a permanent change in the material is observed. This behaviour is called
- A. elastic deformation
B. elasticity
C. plasticity D. yield strength
27. A container of volume $8 \times 10^{-4} \text{ m}^3$ occupies 20 g oxygen kept at a temperature of 373 K. Calculate oxygen pressure.
- A. 2420 kPa B. 2420 kPa
C. 242.0 kPa D. 2420 kPa
28. The temperature at which the average K.E. of a molecule of a gas will be the same as that of an electron accelerated through 1 volt will be
- A. 7700 K B. 6700 K
C. 8700 K D. 900 K
29. When a gas is isothermally expanded so that its volume becomes double, the rms velocity
- A. also becomes twice
B. becomes $\sqrt{2}$ times
C. becomes $\frac{1}{\sqrt{2}}$ times
D. remains the same
30. If internal energy of a gas decreases by an amount equal to the external work the gas is undergoing
- A. isothermal compression
B. isothermal expansion
C. adiabatic compression
D. adiabatic expansion
31. The kinetic theory of gases breaks down most at
- A. low pressure and high

Dogar's Testmaster

- temperature
 B. high pressure and low temperature
 C. low pressure and low temperature
 D. high pressure and high temperature
32. The electronic circuit which inverts the input signal is called
 A. OR gate B. AND gate
 C. NOT gate D. NOR gate
33. The basic operations of Boolean algebra are
 A. AND, OR and NOT
 B. AND and NOT
 C. NAND, NOT and AND
 D. NOR, NAND and OR
34. Which expression represents a NOR operation?
 A. $X = A + B$ B. $X = A + B$
 C. $X = A \cdot B$ D. $X = A \cdot B$
35. In a thermocouple minimum current flows at
 A. maximum temperature
 B. temperature of inversion
 C. minimum temperature
 D. twice the temperature of inversion
36. Production of heat due to an electric current flowing through a conduction is given by
 A. Joule effect
 B. Joule Thomson's effect
 C. Compton's effect
 D. Photo electric effect
37. Resistance of an ideal insulator is
 A. infinite B. zero
 C. finite
 D. depends upon nature
38. The direction of the induced e.m.f. or current is found by the use of
 A. Faraday's law
 B. Right hand Rule
 C. Ampere's law
 D. Fleming's left hand
39. If the coil is wound on an iron core, the flux through it will
 A. decrease B. become zero
 C. remain the same
 D. none of them
40. The phenomena of producing e.m.f. in the coil due to change of current in the coil itself is called
 A. mutual inductance
 B. self inductance
 C. self flux change
 D. self inductance
41. On decreasing the intensity of incident light
 A. the photoelectric current will increase
 B. the number of photoelectrons emitted will increase
 C. the number of emitted electrons will decrease
 D. all of the above
42. A radio transmitter is working at frequency 880 kHz and power 10 kW. The number of photons emitted per second will be
 A. 1327×10^{14} B. 0.075×10^{14}
 C. 1.71×10^{11} D. 13.27×10^{14}

43. When a photon of energy 7 eV is made incident on a metal then the emitted electron is stopped by a stopping potential of -5.5 V. The work function of metal will be
 A. -1.5 eV B. 1.5 eV
 C. 12.5 eV D. 37.5 eV
44. The work function of aluminum is 4.2 eV. Light of wavelength 2000 Å is incident on it. The threshold frequency will be
 A. 10^{13} Hz B. 10^{14} Hz
 C. 10^{15} Hz D. 10^{16} Hz
45. Fission of nuclei is possible because the binding energy per nucleon in them
 A. increases with mass number of low mass
 B. decreases with mass number at low mass number
 C. increases with mass number at high mass number
 D. decreases with mass number at high mass number
46. Starting with a sample of pure $^{64}_{29}\text{Cu}$ of it decays into Zn in 15 minutes the corresponding half life is
 A. 10 min B. 15 min
 C. 5 min D. $7\frac{1}{2}$ min
47. $^{227}_{88}\text{A} \rightarrow ^{210}_{84}\text{B}$ in this reaction how many α and β emissions have occurred
 A. $6\alpha, 3\beta$ B. $3\alpha, 4\beta$
 C. $4\alpha, 3\beta$ D. $3\alpha, 6\beta$
48. Stress beyond which a permanent deformation is observed in a body is called
 A. minimum stress
 B. maximum stress
 C. yield stress
 D. plastic stress
49. If one mole of an ideal gas is heated at constant volume then
 A. $Q_p = C_p \Delta T$
 B. $W = C_p \Delta T$
 C. $Q = C_p \Delta T$
 D. $\Delta U = C_p \Delta T$
50. A good example of first law of thermodynamics is
 A. simple pendulum
 B. centripetal force
 C. bicycle pump
 D. Doppler's effect

ANSWER KEY

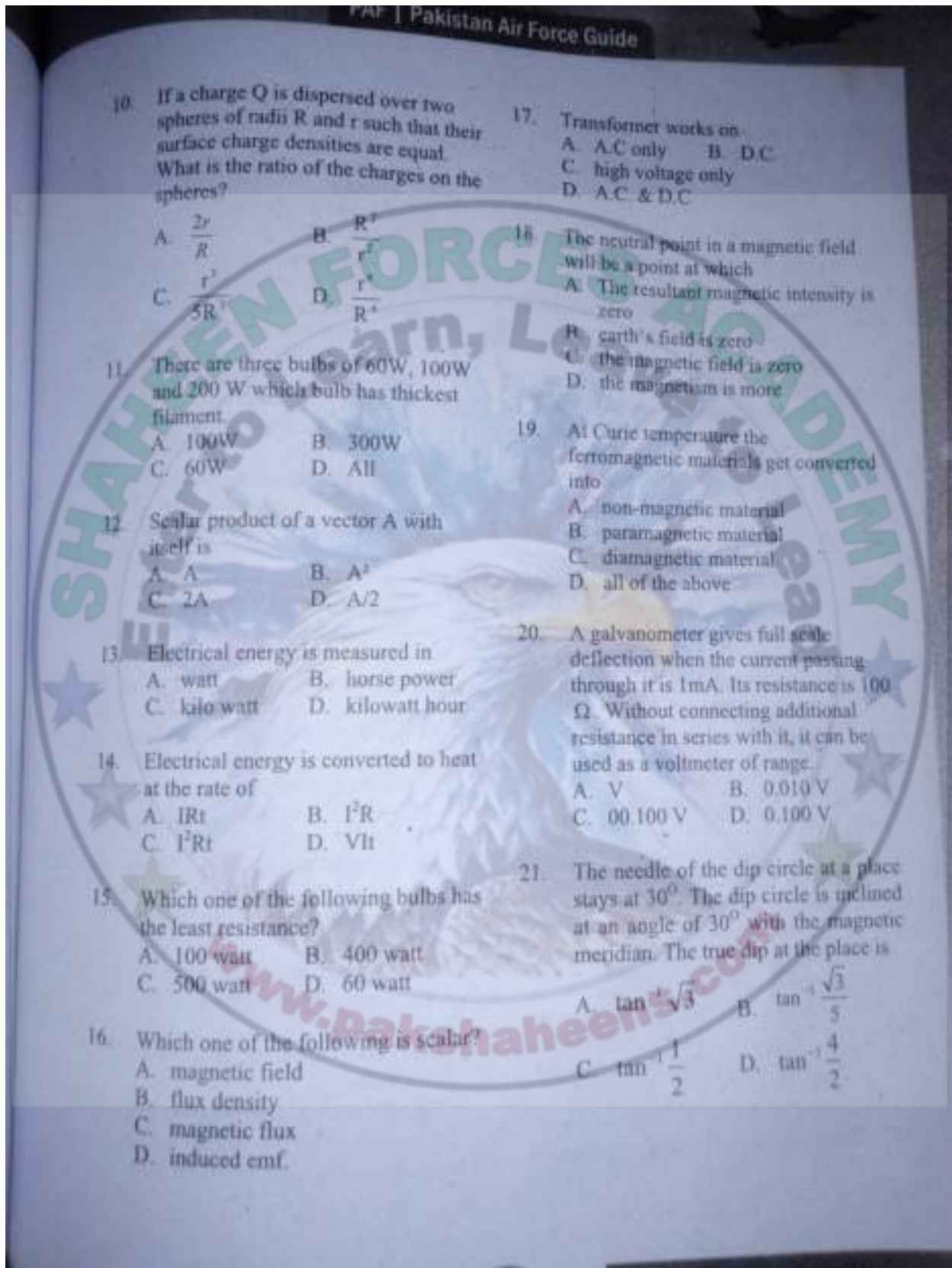
| | | | | |
|-------|-------|-------|-------|-------|
| 1. C | 2. B | 3. D | 4. C | 5. D |
| 6. B | 7. C | 8. D | 9. B | 10. C |
| 11. C | 12. D | 13. B | 14. A | 15. B |
| 16. D | 17. B | 18. C | 19. A | 20. A |
| 21. C | 22. A | 23. C | 24. C | 25. A |
| 26. C | 27. C | 28. A | 29. D | 30. D |
| 31. B | 32. C | 33. A | 34. A | 35. B |
| 36. A | 37. A | 38. D | 39. D | 40. B |
| 41. C | 42. C | 43. B | 44. C | 45. D |
| 46. B | 47. B | 48. C | 49. D | 50. C |

PRACTICE TEST NO. 9

Directions:

Each questions in the following section are based on Physics questions. Each of the following questions is followed by four options. Select the correct option in each case.

- The second law of thermodynamics is concerned with the situation in which
 - heat can be converted into work
 - direction of flow of heat
 - both A & B
 - none of these
- The percentage efficiency of Carnot's engine
 - $\eta = \left(1 - \frac{T_1}{T_2}\right) \times 100\%$
 - $\eta = \left(1 + \frac{T_1}{T_2}\right) \times 100\%$
 - $\eta = \left(1 + \frac{T_2}{T_1}\right) \times 100\%$
 - $\eta = \left(1 - \frac{T_2}{T_1}\right) \times 100\%$
- The unit of thermodynamic temperature scale is
 - Celsius
 - Fahrenheit
 - Kelvin
 - all of these
- Physics is one of the branches of
 - Life sciences
 - Physical sciences
 - Biological sciences
 - Social sciences
- The average speed of oxygen molecule in the air at S.T.P. is
 - 459 ms^{-1}
 - 460 ms^{-1}
 - 461 ms^{-1}
 - 462 ms^{-1}
- Which expression represents a NAND operation?
 - $X = \overline{AB} + \overline{AB}$
 - $X = \overline{AB} + AB$
 - $X = \overline{A+B}$
 - $X = A \cdot B$
- A common point between OR and AND gates is that
 - their outputs may be 1 even when either of their inputs is at 2
 - their outputs are 5 when their all inputs are at 6
 - their outputs may be 1 even when either of their inputs is 3
 - none of these
- The production of electrons in a cathode-ray tube is
 - from a radioactive source
 - by ionization of the air
 - by applying an electric field to the X-plates
 - by heating the filament
- A sinusoidal trace is observed on a CRO screen. For this alternating potential was given to
 - The anode
 - The cathode
 - The filament
 - The Y-plates



Dogar's Testmaster

22. If in a photoelectric cell, the wavelength of incident light is changed from 4000 Å to 3600 Å, then the change in stopping potential will be
 A. 0.34 volt B. 0.57 volt
 C. 0.71 volt D. 0.23 volt
23. A stopping potential of 0.82 volt is required to stop the photoelectron emitted from a metallic surface by light wavelength 400 Å. The stopping potential for wavelength 3000 Å will be
 A. Volt B. 1.85 volt
 C. 2.03 volt D. 2.5 volt
24. A block of mass m and charge q is placed on a smooth horizontal table which terminates in a vertical wall at a distance d from the block. A horizontal electric field E toward right is switched on. Assuming elastic collision, find time period of the resulting oscillatory motion.
- Figure.
-
25. The center of gravity of a cylinder is at
 A. The center of the top of the cylinder
 B. The center of the bottom of the cylinder
 C. A point on curved side on of the cylinder
 D. The mid-point of axis
26. When an electron jumps from a higher to a lower orbit, the energy of the photon emitted depends upon
 A. The energy of higher orbit only
 B. The energy of lower orbit only
 C. The energies of higher and lower orbits
 D. The energy of any orbit.
27. How can we increase the period of oscillation of a mass spring system?
 A. By increasing mass attached to the spring
 B. Keeping mass attached with the spring constant
 C. Decreasing mass attached with the spring
 D. By decreasing mass of the spring.
28. Which one of the following is a vector quantity?
 A. Current density
 B. Angle
 C. Electric current
 D. Gravitational potential
29. Threshold frequency is the frequency below which
 A. Photo current is constant
 B. Photo current increases with voltage
 C. Photo current decreases with voltage
 D. Photoelectric emission is not possible
- A. $\sqrt{\frac{8dm}{qE}}$ B. $\sqrt{\frac{4dm}{qE}}$
 C. $\sqrt{\frac{2dm}{qE}}$ D. None of these

30. Lenz's law provides a relation between
 A. Current and magnetic field
 B. Induced emf and the rate of change of magnetic flux
 C. Force on a current carrying conductor and magnetic field
 D. None of the above
31. Which one of the following properties of waves is not found collectively in both sound waves and radio waves?
 A. Interference B. Diffraction
 C. Polarization D. Refraction
32. For rectifying action we use
 A. Choke B. Transformer
 C. Diode D. Condenser
33. Which one of the following is the dimensional formula for angular momentum?
 A. ML^2T^{-1} B. ML^2T^{-2}
 C. M^2LT^{-2} D. ML^2T^{-1}
34. Magnetic flux passing normally through a unit area is called
 A. Flux density
 B. Magnetic field intensity
 C. Magnetic field lines
 D. Magnetization
35. Photo cell works
 A. In the presence of light of frequency greater than threshold frequency
 B. In the absence of light
 C. In the presence of light of frequency less than threshold frequency
 D. None of the above
36. A heat engine working in between two isothermals and two adiabatic is called
 A. Diesel engine
 B. Clausius engine
 C. Rankine engine
 D. Carnot engine
37. Resistance of a conductor increases as its
 A. Length increases
 B. Length decreases
 C. Area increases
 D. Resistivity decreases
38. A satellite is orbiting round the earth in a circular orbit. It moves with
 A. Constant speed
 B. Constant angular acceleration
 C. Constant acceleration
 D. None of these
39. In order to observe two successive bright or dark fringes in Michelson's interferometer, the movable mirror is displaced through a distance of
 A. λ B. $\lambda/2$
 C. $\lambda/4$ D. 2λ
40. Which one of the following discarded the idea of ether?
 A. Schrodinger B. DeBroglie
 C. Michelson and Morley
 D. Henry
41. A body of mass m is moving in a circle of radius r with a constant speed v . The force on the body is mv^2/r and is directed towards the center. What is the work done by this force in moving the body over half the circumference of the circle?
 A. $\frac{mv^2}{r}(\pi r)$ B. $\pi r^2/mv^2$

Dogar's Testmaster

C. $\frac{mv^2}{r^2}$ D. Zero

42. The unit of torque in SI system is
A. $N \cdot m$ B. $N \cdot m^2$
C. $N \cdot m$ D. $N \cdot m^{-1}$

43. If a simple pendulum is vibrating then
I. Length of pendulum and time period is directly proportional
II. Time period of pendulum is independent of the mass of the bob
III. Time period depends upon the value of the g
A. I and II are correct
B. II and III are correct
C. I and III are correct
D. I, II and III are correct

44. According to Bohr's theory of hydrogen atom, the angular momentum of electron in allowed orbit is
A. nh/π B. $nh/2\pi$
C. $n/2nh$ D. $2nh/n$

44. A lift is falling freely after the breakdown of its suspension. The weight of person inside the lift would become
A. Zero B. Half
C. Double D. Four times

46. Clock-wise torque is taken as
A. +ve B. -ve
C. Neither +ve nor -ve
D. Zero

47. The unit of Planck's constant in C.G.S. system of units is
A. Joules/sec B. Joules/sec
C. Joules/sec² D. Sec/Joules

48. A ball is thrown horizontally from the top of 490 m high cliff with a velocity of 10 m/sec. It experiences
I. Horizontal acceleration equal to zero
II. Vertical acceleration of 9.8 m/sec²
III. Angular acceleration of 9.8 rad/sec²
A. I only is true
B. I and II only are true
C. II and III only are true
D. I, II and III are true

49. A source of sound waves towards a stationary observer. The apparent frequency heard by the observer is
A. Greater than actual frequency
B. Less than actual frequency
C. Equal to actual frequency
D. None of the above

50. Resistivity of a conductor is of the order of
A. 10^3 ohm-meter
B. 10^{-8} ohm-meter
C. 10^5 ohm-meter
D. 10^{10} ohm-meter

ANSWER KEY

| | | | | | | | | | |
|-----|---|-----|---|-----|---|-----|---|-----|---|
| 1. | C | 2. | D | 3. | C | 4. | B | 5. | C |
| 6. | D | 7. | D | 8. | D | 9. | D | 10. | B |
| 11. | B | 12. | B | 13. | C | 14. | B | 15. | C |
| 16. | C | 17. | A | 18. | A | 19. | B | 20. | D |
| 21. | C | 22. | A | 23. | B | 24. | B | 25. | D |
| 26. | C | 27. | A | 28. | A | 29. | D | 30. | A |
| 31. | D | 32. | C | 33. | D | 34. | A | 35. | A |
| 36. | D | 37. | A | 38. | A | 39. | B | 40. | C |
| 41. | D | 42. | C | 43. | D | 44. | B | 45. | A |
| 46. | B | 47. | B | 48. | B | 49. | A | 50. | B |

PAF | PHYSICS

164

PRACTICE TEST NO. 10

Directions:

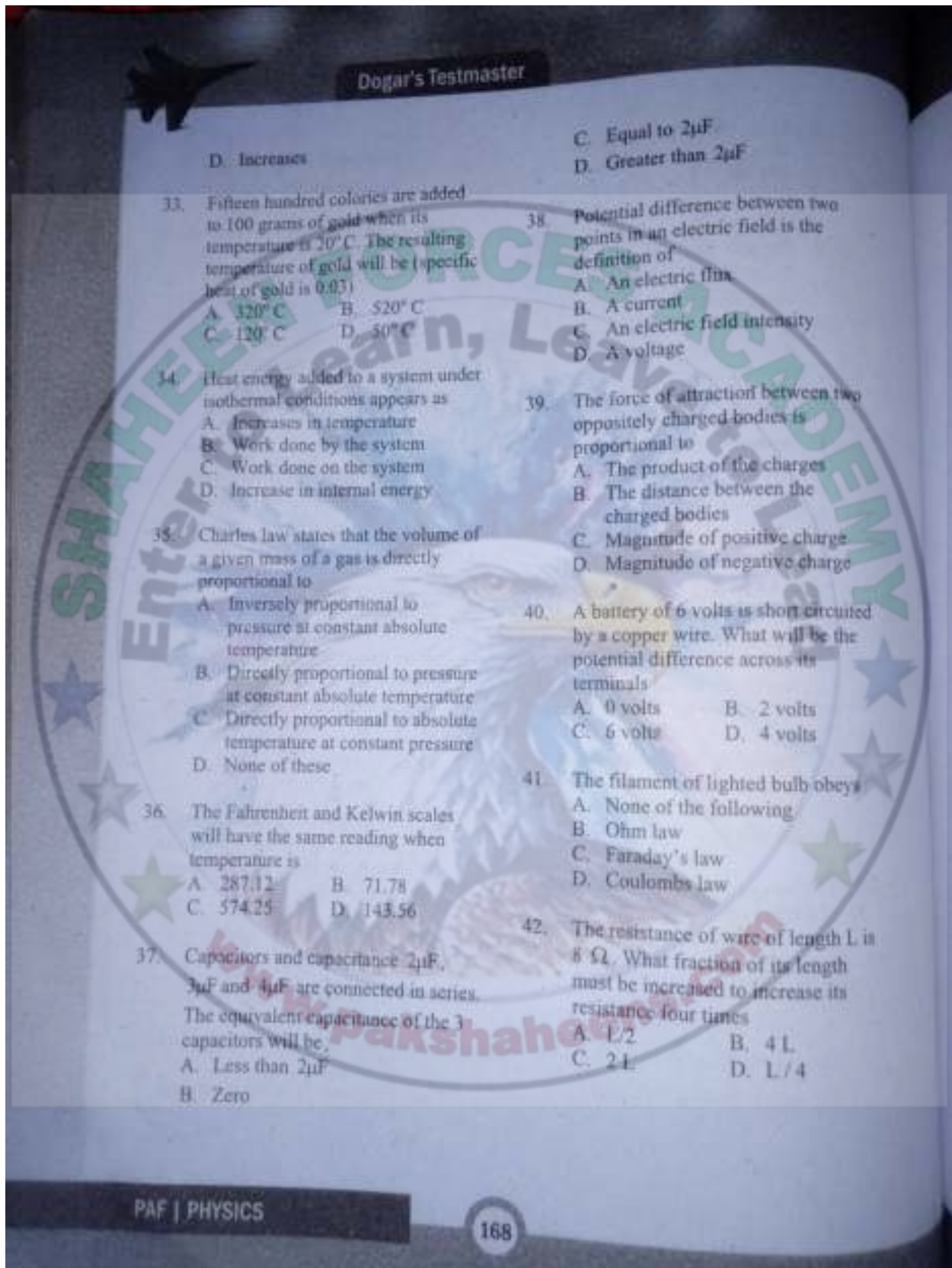
Each question in the following section are based on Physics questions. Each of the following questions is followed by four options. Select the correct option in each case.

- A vector having magnitude equal to given vector but in opposite direction is called
A. Position vector
B. Unit vector
C. Positive vector
D. Negative vector
- If $A = 3i + 6j$, $B = -xi + k$ and $A \cdot B = 12$, then x will be equal to
A. 13
B. 2
C. 4
D. 12
- When two equal and opposite vectors are added, then their resultant will have
A. Zero magnitude
B. Half magnitude
C. Double magnitude
D. Same magnitude
- In SI system of units, the velocity is measured in
A. foot per second
B. miles per second
C. centimeter per second
D. meter per second
- A ball is thrown vertically upward with an initial velocity of 49 m/s. The maximum height it will reach will be
A. 755 m
B. 122.5 m
C. 500 m
D. 245 m
- The terminal velocity of a rain droplet of mass m and radius r is
A. $mg/6\pi\eta r$
B. $mg\eta r/6\pi$
C. $6\pi\eta r/mg$
D. $6\pi\eta mg r$
- Mathematically torque is expressed by
A. $\vec{T} = \vec{r} \times \vec{P}$
B. $\vec{T} = \vec{r} \cdot \vec{P}$
C. $\vec{T} = \vec{r} \times \vec{f}$
D. $\vec{T} = \vec{r} \cdot \vec{f}$
- The direction of torque $\vec{T} = \vec{r} \times \vec{f}$ is found by
A. knowing the direction of f
B. knowing the direction of r
C. left hand rule
D. right hand rule
- The rate of change of angular momentum of a body is equal to
A. moment of inertia
B. the applied torque
C. applied force
D. impulsive force
- If G becomes four times, then ' g ' will become
A. 4g
B. zero
C. 3g
D. 2g
- Below the surface of earth, the value of g
A. increases

Dogar's Testmaster

- B. at all points is zero
C. remain constant
D. decreases
12. The relation between orbital speed V of a planet and its orbital radius r is
A. $V \propto 1/r$ B. $V \propto \sqrt{r}$
C. $V \propto 1/\sqrt{r}$ D. $V \propto r$
13. At depth $R_e/2$ below the earth's surface, the acceleration due to gravity is
A. Zero B. 2.45 m/sec^2
C. 9.8 m/sec^2 D. 4.9 m/sec^2
14. Value of the surface of moon is
A. zero B. $2g_e$
C. $g_e/6$ D. $6g_e$
15. Value of g will be greater of
A. equator B. poles
C. any point
D. the centre of earth
16. What is the correct definition of power?
A. Change in energy
B. Amount of work
C. Doing work
D. The rate of doing work
17. If a force acting on a body produces a displacement in the direction of the force what would be the product of force and displacement?
A. K.E B. work
C. P.E D. power
18. What will be the maximum velocity of 1 kg mass attached to a spring of spring constant 1 V/m which is displaced through 5 cm.
A. 5 cm/sec B. 10 m/sec
C. 10 cm/sec D. 5 m/sec
19. Which one is the example of S.H.M?
A. Motion in a plane
B. Motion in a car
C. Motion in a swing
D. Motion in a train
20. In transverse waves, the distance between a crest and trough is equal to
A. 2λ B. $\lambda/2$
C. 3λ D. λ
21. If the length of a pendulum becomes 4 times then its frequency will
A. become four times
B. decrease four times
C. become half
D. become double
22. A train while whistling moves with a velocity half of the velocity of sound towards a stationary listener then the frequency of sound waves heard by the listener will
A. increase four times
B. be doubled
C. become half
D. decrease four times
23. What will be the time period of mass 'm' attached to spring of spring constant K is
A. $2\pi(\sqrt{K/m})$
B. $1/2\pi(\sqrt{m/K})$

- C. $1/2\pi(\sqrt{K/m})$
 D. $2\pi(\sqrt{m/K})$
24. Velocity of sound in air is
 A. Directly proportional to the square root of absolute temperature
 B. Inversely proportional to the square root of absolute temperature
 C. Directly proportional to absolute temperature
 D. Inversely proportional to absolute temperature
25. In Young's Double Slit experiment, Two slits are arranged to produce interference fringes by using green light, the fringes were found to be too close. For convenient observation it would be possible to increase the separation of the fringes by
 A. Increasing the width of each slit
 B. Decreasing the distance between the slits and screen
 C. Replacing the light source with a monochromatic of red light
 D. Increasing the distance between the two slits
26. In Young's Double Slit experiment, if d is the separation between slits L is the distance of the screen from slits then the position of m th dark fringe on the screen will be
 A. $(m)d/L\lambda m = 0, 1, 2, 3, \dots$
 B. $(m+1/2)L\lambda/dm = 0, 1, 2, 3, \dots$
 C. $(m-1/2)L\lambda/dm = 0, 1, 2, 3, \dots$
 D. $m(L\lambda/d)m = 0, 1, 2, 3, \dots$
27. Which one of the following properties prove the transverse nature of light?
 A. polarization B. refraction
 C. interference D. diffraction
28. A refracting substance bounded by one or two spherical surfaces is called
 A. Glass B. Prism
 C. Mirror D. Lens
29. A lens which converges a parallel beam of light to a single point is called
 A. Plano-concave lens
 B. Convex concave lens
 C. Concave lens
 D. Convex lens
30. If the size of the image of a 10 mm high object is 2 cm, then magnification produced by the lens is
 A. 0 B. 2
 C. 4 D. 6
31. If the reading on Fahrenheit scale is double of its numerical value on the centigrade scale, then that reading on centigrade scale will be
 A. 40° B. 320°
 C. 160° D. 80°
32. Entropy of universe during any natural process
 A. Increases or remains constant
 B. Decreases
 C. Decreases or remains constant



43. What is the current in a 2×10^6 ohm resistors having a potential difference of 2×10^3 volts?
 A. 10^{-4} A B. 1 mA
 C. 10^{-3} A D. 10^{-1} A
44. The phenomenon in which a change of current in one coil produces an induced emf in another coil nearly is called
 A. Mutual induction
 B. Mutual inductance
 C. Self induction
 D. Self inductance
45. What does happen to an electron in a conductor if an alternating current is allowed to flow through it
 A. It oscillation about its mean position
 B. It moves perpendicular to the conductor
 C. It remains at rest
 D. It moves along the conductor
46. Frequency of AC used in Pakistan is
 A. 50 cycle / sec
 B. 40 cycle / sec
 C. 100 cycle / sec
 D. 60 cycle / sec
47. The relation between Tesla and Gauss is
 A. $1\text{ T} = 10^3 \text{ G}$ B. $1\text{ T} = 10^4 \text{ G}$
 C. $1\text{ T} = 10^5 \text{ G}$ D. $1\text{ T} = 10^6 \text{ G}$
48. When a wire of length 3 cm is moved with a velocity of 2 m/s perpendicularly in a magnetic field of strength 10 tesla then the e.m.f induced is
 A. 0.8 V B. 0.4 V
 C. 0.2 V D. 0.6 V
49. To measure current through a circuit, an ammeter is connected in
 A. Parallel B. Series
 C. Either parallel or series
 D. None of them
50. The working of galvanometer depends upon torque exerted on a current carrying coil
 A. Magnetic field
 B. Nuclear field
 C. Electric field
 D. Gravitational field



ANSWER KEY

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1. D | 2. C | 3. A | 4. D | 5. B | 6. A | 7. C | 8. D | 9. B | 10. A |
| 11. D | 12. B | 13. D | 14. C | 15. B | 16. D | 17. B | 18. A | 19. C | 20. B |
| 21. C | 22. B | 23. D | 24. A | 25. C | 26. B | 27. A | 28. D | 29. D | 30. H |
| 31. C | 32. A | 33. B | 34. B | 35. C | 36. C | 37. A | 38. D | 39. A | 40. A |
| 41. A | 42. B | 43. B | 44. B | 45. A | 46. B | 47. C | 48. D | 49. B | 50. A |

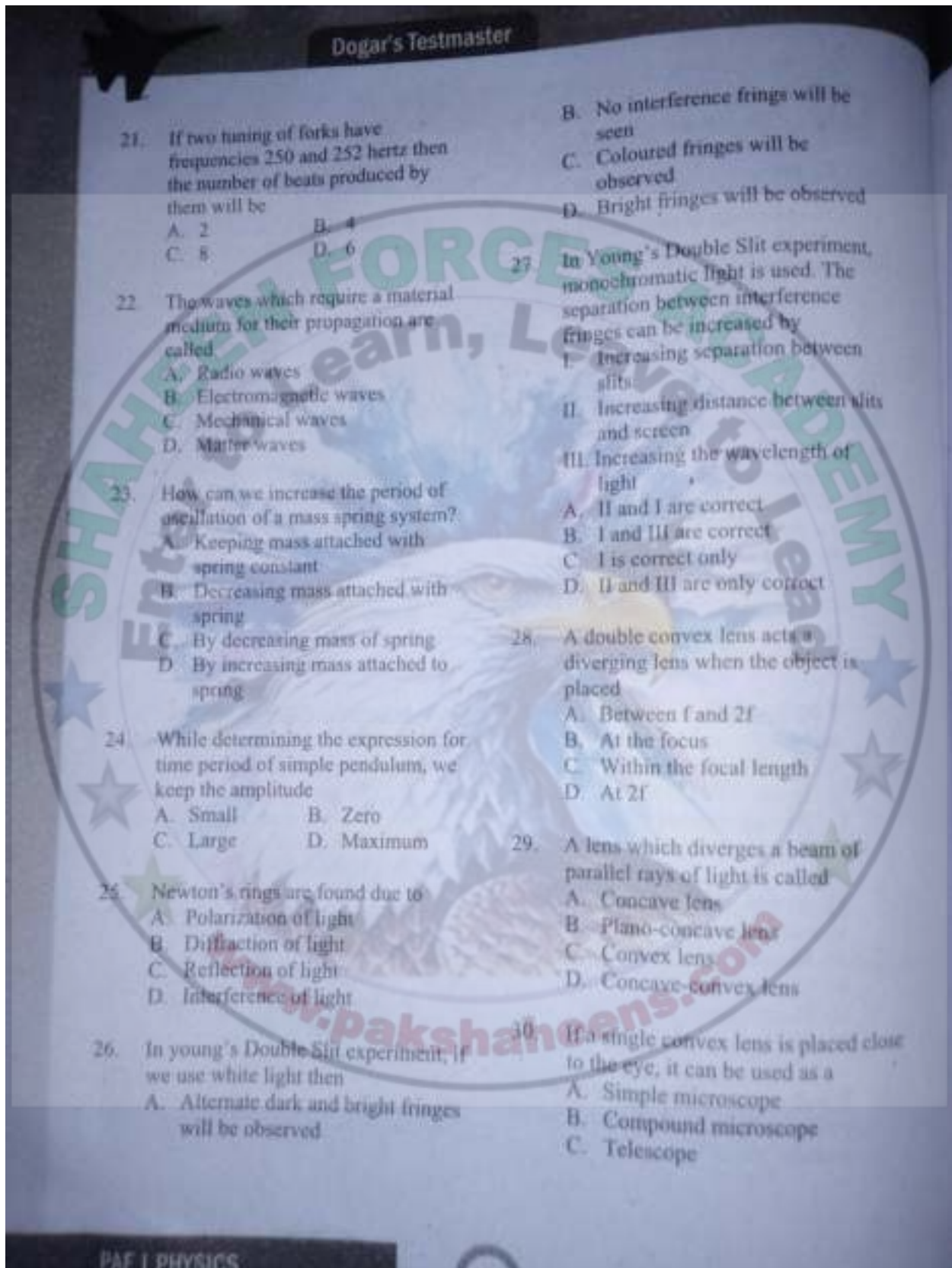
PRACTICE TEST NO. 11

Directions:

Each questions in the following section are based on Physics questions. Each of the following questions is followed by four options. Select the correct option in each case.

1. Vector $\vec{A} = -(\vec{A}_x\hat{i} + \vec{A}_y\hat{j})$ lies in
 - A. Third quadrant
 - B. Fourth quadrant
 - C. First quadrant
 - D. Second quadrant
2. If two equal unit vectors are inclined at an angle of 90° , then magnitude of their resultant will be
 - A. 0
 - B. 2
 - C. $\sqrt{2}$
 - D. 1
3. The product $\hat{i} \times \hat{j}$ is equal to
 - A. \hat{k}
 - B. $-\hat{k}$
 - C. zero
 - D. 1
4. The magnitude of the force producing an acceleration of 10 m/s^2 in a body of mass 500 gms in Newton is
 - A. 5
 - B. 6
 - C. 4
 - D. 3
5. The instantaneous velocity is equal to the average velocity if a body moves with a
 - A. Uniform acceleration
 - B. variable acceleration
 - C. Uniform velocity
 - D. Variable velocity
6. A massive ball collides with a light ball at rest. The momentum acquired by the light ball is 100 N-sec , while the time of collision is 1 m sec. Which of the following is the impulsive force?
 - A. $4 \times 10^5 \text{ N}$
 - B. $1 \times 10^5 \text{ N}$
 - C. $2 \times 10^5 \text{ N}$
 - D. $3 \times 10^5 \text{ N}$
7. A couple acting on a body will only
 - A. Keep the body stationary
 - B. Accelerate the body
 - C. Vibrate the body about certain axis
 - D. Rotate the body about certain axis
8. The equation for angular momentum in terms of angular velocity is
 - A. $(mr)W$
 - B. $(m^2 r^2 W)$
 - C. $(mr^2)W$
 - D. $(mr)W^2$
9. Which one of the following is the dimensions of moment of inertia?
 - A. ML
 - B. ML^{-2}
 - C. ML^2
 - D. ML^3
10. In between earth and moon the weight of a body becomes zero at a point where force of attraction due to
 - A. Both the moon and earth is not equal
 - B. The moon is zero
 - C. The moon and the earth is equal and opposite
 - D. The earth is zero

11. If the distance between two masses is halved the gravitational force is
 A. Remain same B. Four times
 C. Half D. Double
12. The frequency of rotation of a space ship about its own axis to create artificial gravity is
 A. $1/2\pi\sqrt{g/R}$ B. $2\pi\sqrt{g/R}$
 C. $1/2\pi\sqrt{R/g}$ D. $1/2\pi\sqrt{g/R^2}$
13. Newton's law of gravitation states that the force of attraction between the two bodies is inversely proportional to
 A. Square of the distance between them
 B. Product of mass and distance between them
 C. Product of their masses
 D. Square of the distance between their centres
14. If the distance between two bodies is doubled the gravitational force will
 A. Become one fourth
 B. Increase four times
 C. Remain constant
 D. Become four times
15. The motion of planets and galaxies around the sun are due to
 A. Magnetic force
 B. Gravitational force
 C. Electric force
 D. Electromagnetic force
16. Which of the following properties of waves are found both in sound waves and radio waves?
 I. Interference
 II. Diffraction
 III. Polarization
 A. I and III only
 B. I and II only
 C. All the three
 D. II and III only
17. Which one is the correct relation for velocity of wave
 A. $v = f \cdot \lambda$ B. $v = f/\lambda$
 C. $v = \lambda/f$ D. $v = \lambda \cdot f$
18. A man moves with a speed half of the speed of sound waves away from the stationary source of sound, then the frequency of sound waves heard by the man will
 A. Be doubled
 B. Decrease four times
 C. Remain same
 D. Become half
19. When a wave reflects from the boundary of a denser medium then in the reflected wave there will be
 A. 180° phase change
 B. 27° phase change
 C. No phase change
 D. 90° phase change
20. When a body moves in circle its projection performs?
 A. Angular motion
 B. Simple harmonic motion
 C. Rotating motion
 D. Circular motion



- D. Refracting telescope
31. The value of universal gas constant "R" in J/K mole K is
 A. 8380 B. 336000
 C. 8.314 D. 8314
32. A heat engine working in between two isothermals and two adiabatics is called
 A. Clausius engine
 B. Diesel engine
 C. Carnot engine
 D. Rankine engine
33. The second law of thermodynamics states that
 A. 100% conversion of heat into mechanical work is not possible
 B. None of these
 C. 100% conversion of mechanical work into heat is not possible
 D. 100% efficient heat engine is possible
34. In an isochoric process
 A. Pressure remains constant
 B. Pressure changes
 C. Volume changes
 D. Volume remains constant
35. Real gases obey gas laws only
 A. At high pressure and high temperature
 B. At low pressure and low temperature
 C. At low pressure and high temperature
 D. At high pressure and low temperature
36. The temperature of 50° C will be recorded on Fahrenheit scale as
 A. 122° B. 105°
 C. 10° D. 40°
37. We can decrease the capacitance of a parallel plate capacitor by
 A. All the following
 B. Using the dielectric of a lower permittivity
 C. Decreasing the area of the plate
 D. Increasing the distance between them
38. The electric potential at a point situated at a distance of 10 m from a charge of 1 μC is
 A. 960 volts B. 940 volts
 C. 920 volts D. 900 volts
39. If a unit charge experiences a force of 10 N at a point in an electric field, then the electric field intensity in N/C is
 A. 11 B. 10
 C. 9 D. 8
40. Choose the correct statement. The amount of heat developed in a conductor is directly proportional to
 A. All these following
 B. The time for which the current is passed
 C. The resistance of the conductor
 D. The square of the current in the conductor
41. In a series combination of resistors the equivalent resistance will be
 A. Equal to smallest resistance in series

Dogar's Testmaster

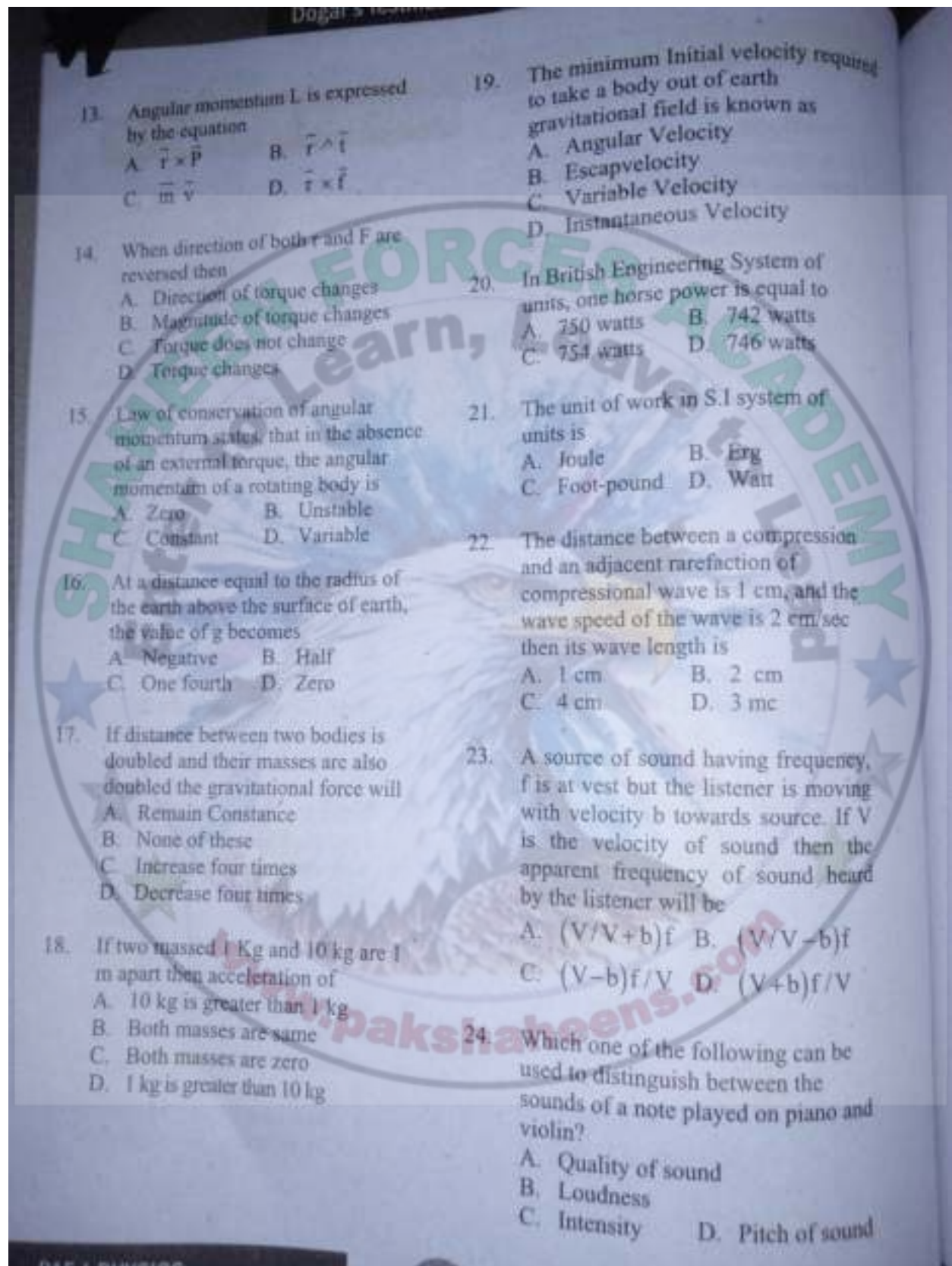
- B. Equal to largest resistance in series
 C. Larger than the largest resistance in series
 D. Smaller than the largest resistance in series
42. Resistance is measured in
 A. Gauss B. Henry
 C. Ohm D. Ampere
43. Tesla is equal to
 A. $N/A^2 m$ B. $N/A m^2$
 C. $N/A^2 m^2$ D. $N/A m$
44. When a charged particle is projected perpendicularly to a uniform magnetic field, its trajectory is
 A. Cycloid B. Circular
 C. Elliptic D. Straight line
45. The change of magnetic flux through a circuit will produce
 A. Alternating current
 B. Induced emf
 C. magnetic field
 D. Electric field
46. In Pakistan, the voltage stepped down for domestic use is
 A. 220 volts B. 180 volts
 C. 260 volts D. 200 volts
47. A force $5N$ is acting on a wire of length $1m$, held perpendicular in a uniform magnetic field of strength 5 web/m^2 then the value of current passing through it will be
 A. $2 A$ B. $1 A$
 C. $4 A$ D. $5 A$
48. In a step-up transformer
 A. $N_s = 0$ B. $N_s > N_p$
 C. $N_s < N_p$ D. $N_s = N_p$
49. A device which converts AC into DC voltage is called
 A. An oscillator B. A voltmeter
 C. A rectifier D. An amplifier
50. The substance with resistivity of the order of 10^{-8} ohm-meter is called
 A. None of these
 B. Insulator
 C. Conductor
 D. Semi-conductor

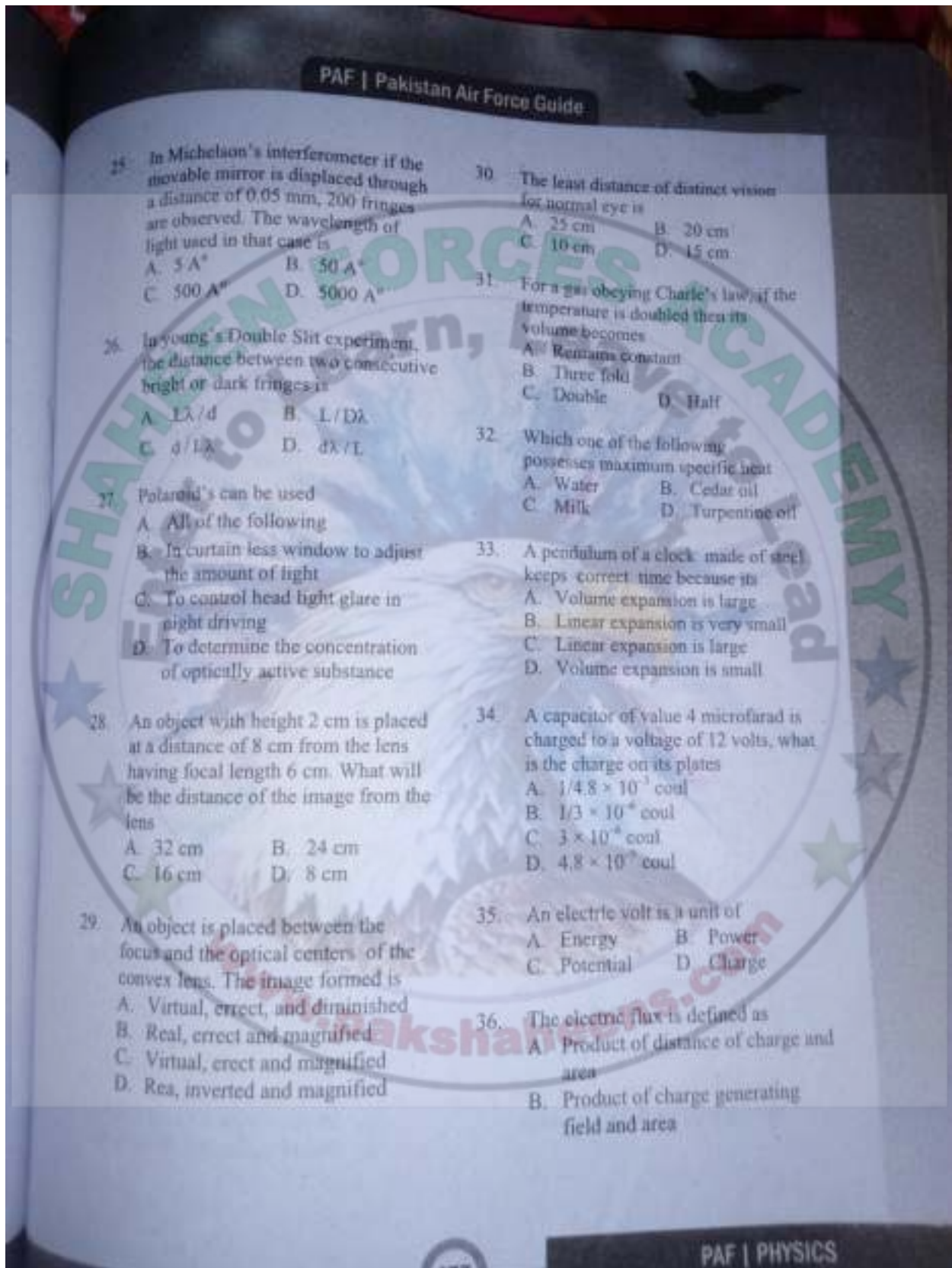


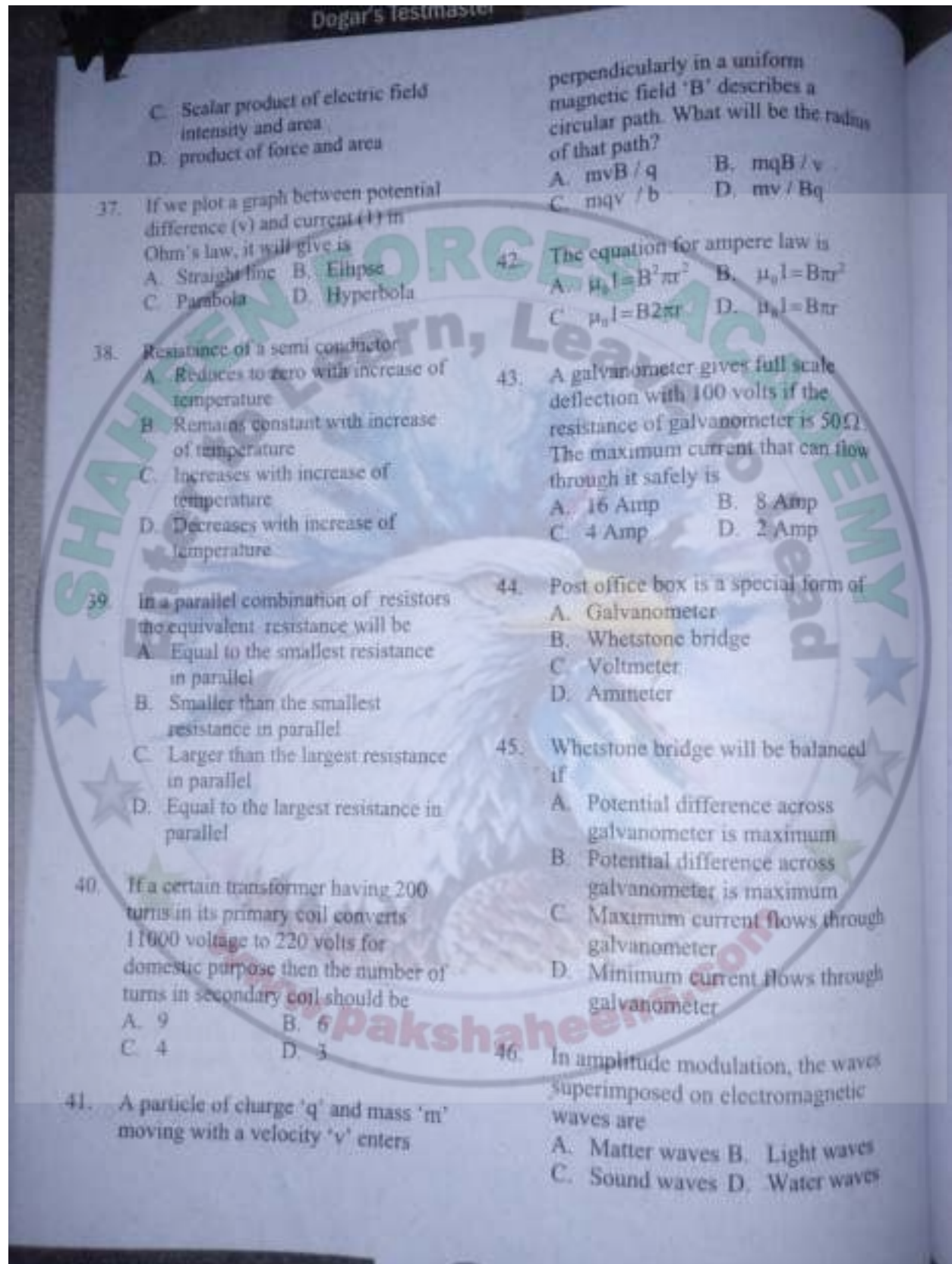
ANSWER KEY

| | | | | |
|-------|-------|-------|-------|-------|
| 1. A | 2. C | 3. A | 4. A | 5. C |
| 6. B | 7. D | 8. C | 9. D | 10. C |
| 11. B | 12. A | 13. D | 14. A | 15. B |
| 16. B | 17. C | 18. D | 19. A | 20. B |
| 21. A | 22. C | 23. D | 24. A | 25. D |
| 26. B | 27. D | 28. C | 29. A | 30. A |
| 31. D | 32. C | 33. A | 34. D | 35. C |
| 36. A | 37. A | 38. B | 39. B | 40. A |
| 41. C | 42. D | 43. D | 44. B | 45. B |
| 46. A | 47. B | 48. D | 49. C | 50. D |











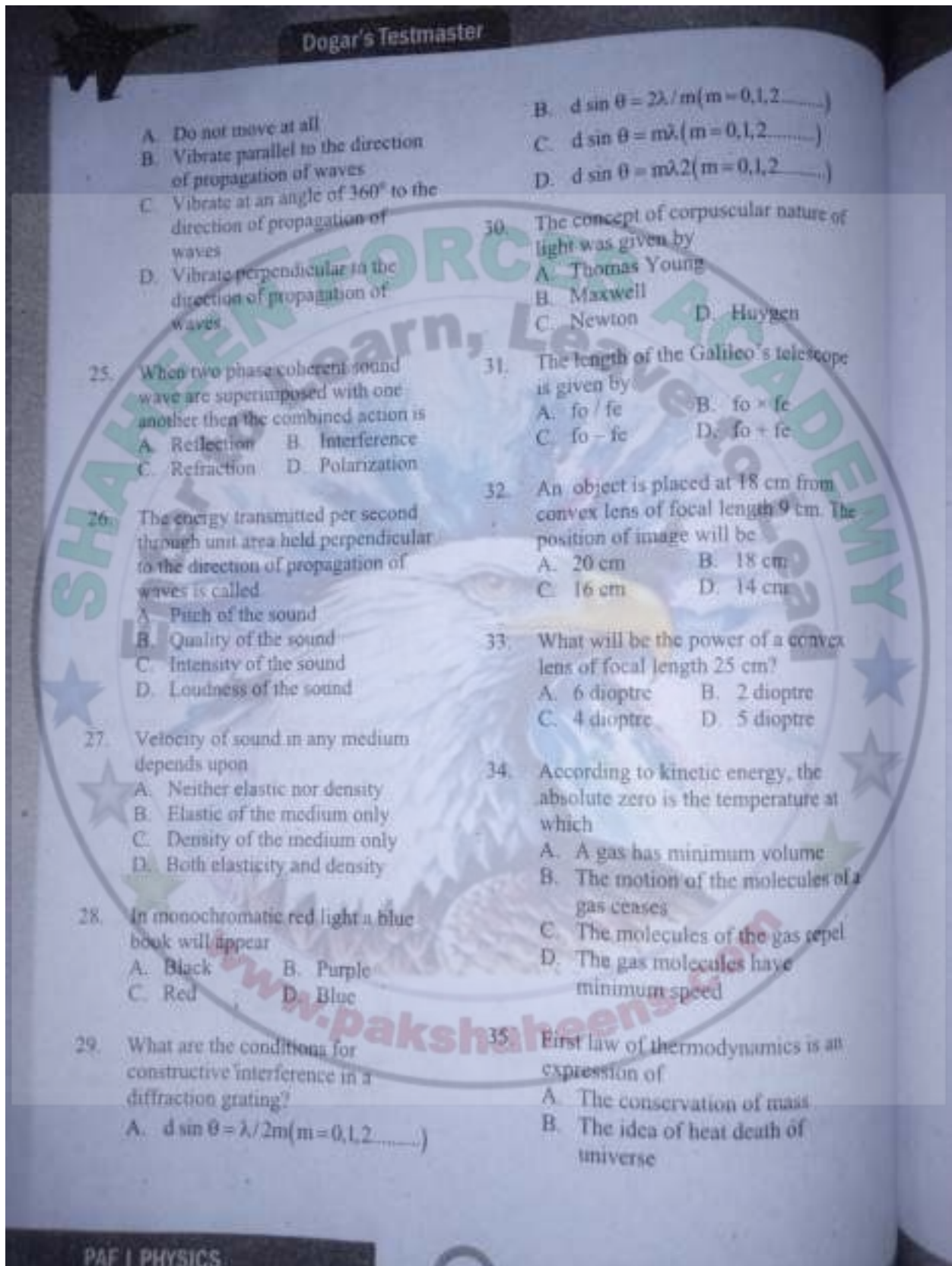
PRACTICE TEST NO. 13

Directions:

Each question in the following section are based on Physics questions. Each of the following questions is followed by four options. Select the correct option in each case.

1. Pin hole camera was invented by
 - A. Abu-al-Hisham
 - B. Al Khwarizmi
 - C. Al Beruni
 - D. Yaqoob Al kindi
2. A second is defined as the duration of vibration of
 - A. Radium atom
 - B. Nitrogen atom
 - C. Carbon atom
 - D. Cesium atom
3. Which one of the following is not regarded as a fundamental quantity in physics?
 - A. Time
 - B. Mass
 - C. Weight
 - D. Length
4. Two forces of same magnitude F act on a body inclined at an angle of 90° , then the magnitude of their resultant is
 - A. $F\sqrt{2}$
 - B. $F/2$
 - C. $\sqrt{2}F$
 - D. $2F$
5. Vector $\vec{A} = A_x\vec{i} + A_y\vec{j}$ lies in
 - A. Fourth quadrant
 - B. First quadrant
 - C. Third quadrant
 - D. Second quadrant
6. Which of the following is correct?
 - A. $\vec{A} \times \vec{B} = \vec{AB}$
 - B. $\vec{A} \cdot \vec{B} = -\vec{B} \cdot \vec{A}$
 - C. $\vec{A} \times \vec{B} = \vec{B} \times \vec{A}$
 - D. $\vec{A} \times \vec{B} = -\vec{B} \times \vec{A}$
7. In a projectile motion, the body has
 - A. Two components of velocity
 - B. Four components of velocity
 - C. One components of velocity
 - D. Three components of velocity
8. A missile is fired with a speed of 98 m/sec at an angle of 30° with the horizontal. The missile is air borne for
 - A. 40 sec
 - B. 30 sec
 - C. 10 sec
 - D. 15 sec
9. The angular speed for daily rotation of earth in radians per hour is
 - A. $\pi/6$
 - B. $\pi/12$
 - C. 4π
 - D. 2π
10. The torque is also called as
 - A. Moment of force
 - B. Quantity of motion
 - C. Moment of inertia
 - D. Moment of momentum
11. Torque is the product between force and
 - A. Arm of the weight
 - B. Moment arm
 - C. Distance
 - D. Velocity

12. In a couple, the resultant of two forces is
 A. $2F$ B. $2F$
 C. Zero D. F
13. At height R_e above earth's surface acceleration due to gravity will be
 A. 2.45 m/sec^2 B. 9.8 m/sec^2
 C. Zero D. 4.9 m/sec^2
14. A body in satellite orbiting round the earth is weightless because
 A. It is far away from the earth
 B. g is zero
 C. The moon attracts with a force equal to its weight
 D. No force acts on it
15. A mass of 10 kg is ascending in an elevator with an acceleration of 4 m/sec^2 . Its apparent weight will be
 A. 58 N B. 98 N
 C. 138 N D. 40 N
16. Inertial mass is
 A. Smaller than gravitational mass
 B. Greater than gravitational mass
 C. Not related to gravitational mass
 D. Equal to gravitational mass
17. The value of gravitational constant G is
 A. $9 \times 10^9 \text{ Nm}^2 / \text{C}^2$
 B. $9.6 \times 10^{-34} \text{ J sec}$
 C. $6.673 \times 10^{-11} \text{ Nm}^2 / \text{kg}^2$
 D. $6.673 \times 10^{11} \text{ Nm}^2 / \text{kg}^2$
18. What is the mathematical expression for the K.E of a body of mass m moving with speed v ?
 A. $1/2 \text{ m/v}^2$ B. $1/2 \text{ m (v.v)}$
19. The waves which do not require any medium for their propagation are called
 A. Sound waves
 B. Tidal waves
 C. Mechanical
 D. Electromagnetic waves
20. If the period of a wave motion is 0.01 sec and the wave speed is 100 cm/sec then its frequency will be
 A. 1000 hertz B. 10000 hertz
 C. 100 hertz D. 10 hertz
21. The motion of mass attached to an elastic spring is
 A. Vibratory motion
 B. Angular motion
 C. Circular motion
 D. Rectilinear motion
22. What will be the total energy of a mass attached to a spring with spring constant 2 N/m , when displaced through 2 m will be
 A. 1 J B. 2 J
 C. 4 J D. 4 N
23. The time period of simple pendulum depends upon
 A. Mass of the bob of pendulum
 B. Length of the thread
 C. Nature of material of the bob
 D. Length of the pendulum
24. When longitudinal waves propagate through a medium, then the particles of the medium?





Dogar's Testmaster

$$C. -(emf)_i / (\Delta I_p / \Delta t)$$

$$D. -(emf)_i / \Delta I_p \Delta t$$

48. A 15 cm wire, moving with a velocity 2 m/sec acquires an induced emf of 0.003 V whenever dragged in a magnetic field of strength

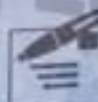
A. 0.04 tesla B. 0.03 tesla
C. 0.02 tesla D. 0.01 tesla

49. The force on a current carrying conductor placed in a uniform magnetic field is equal to

A. $I \cdot BL$ B. $LB \times I$
C. $\vec{IL} \times \vec{B}$ D. $\vec{IL} \cdot \vec{B}$

50. For accurate measurement of current through a circuit the ammeter resistance should be

A. Equal to the circuit resistance
B. Neither too small nor too large
C. Very small compared to the circuit resistance
D. Large compared to the circuit resistance



ANSWER KEY

| | | | | |
|-------|-------|-------|-------|-------|
| 1. A | 2. D | 3. C | 4. A | 5. B |
| 6. D | 7. A | 8. C | 9. B | 10. A |
| 11. B | 12. C | 13. A | 14. D | 15. C |
| 16. D | 17. C | 18. B | 19. D | 20. C |
| 21. A | 22. C | 23. D | 24. B | 25. B |
| 26. C | 27. D | 28. A | 29. C | 30. C |
| 31. C | 32. B | 33. C | 34. B | 35. D |
| 36. C | 37. A | 38. D | 39. C | 40. D |
| 41. B | 42. A | 43. B | 44. D | 45. A |
| 46. A | 47. C | 48. D | 49. C | 50. C |

www.pakshaheens.com

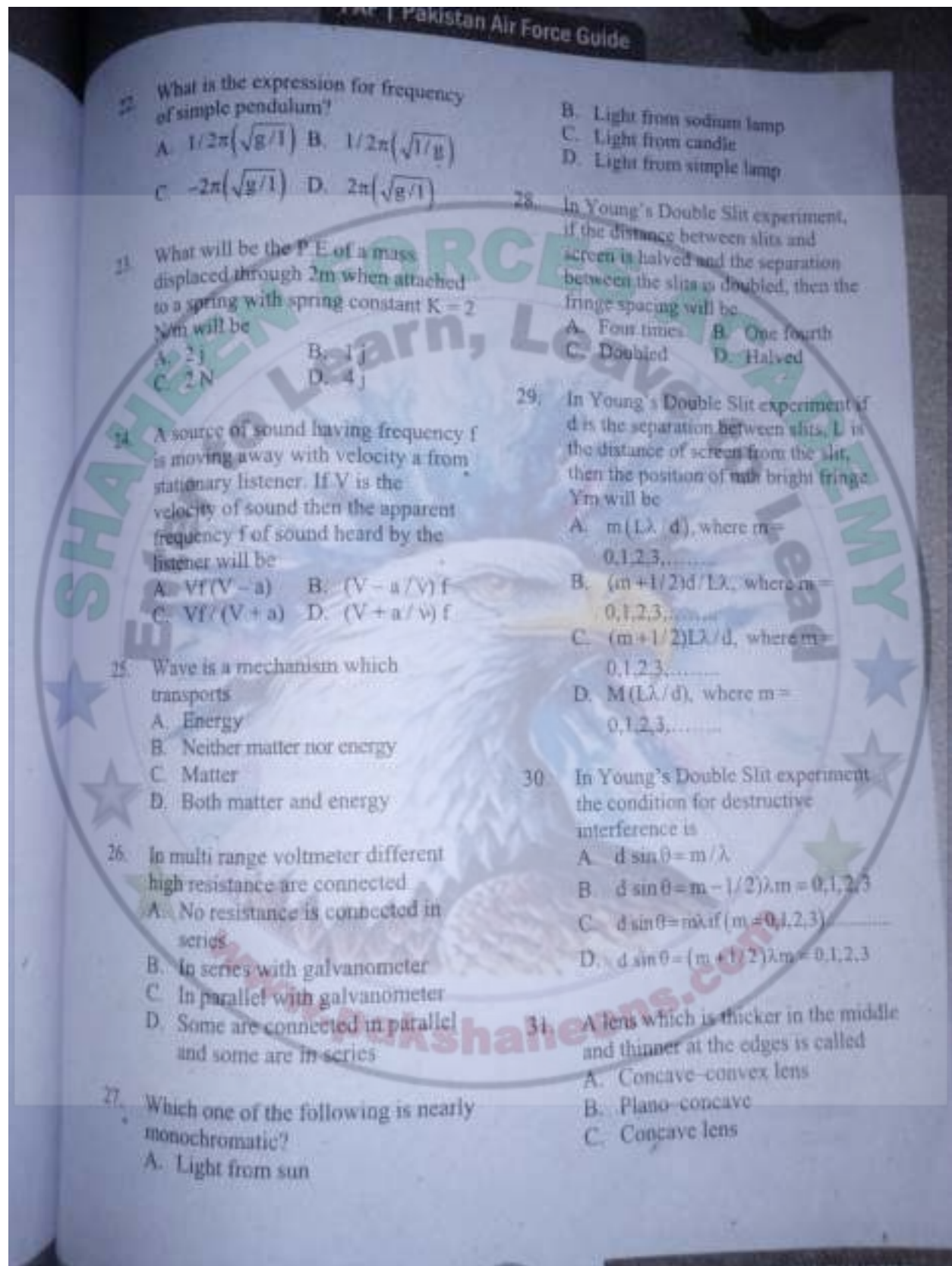
PRACTICE TEST NO. 14

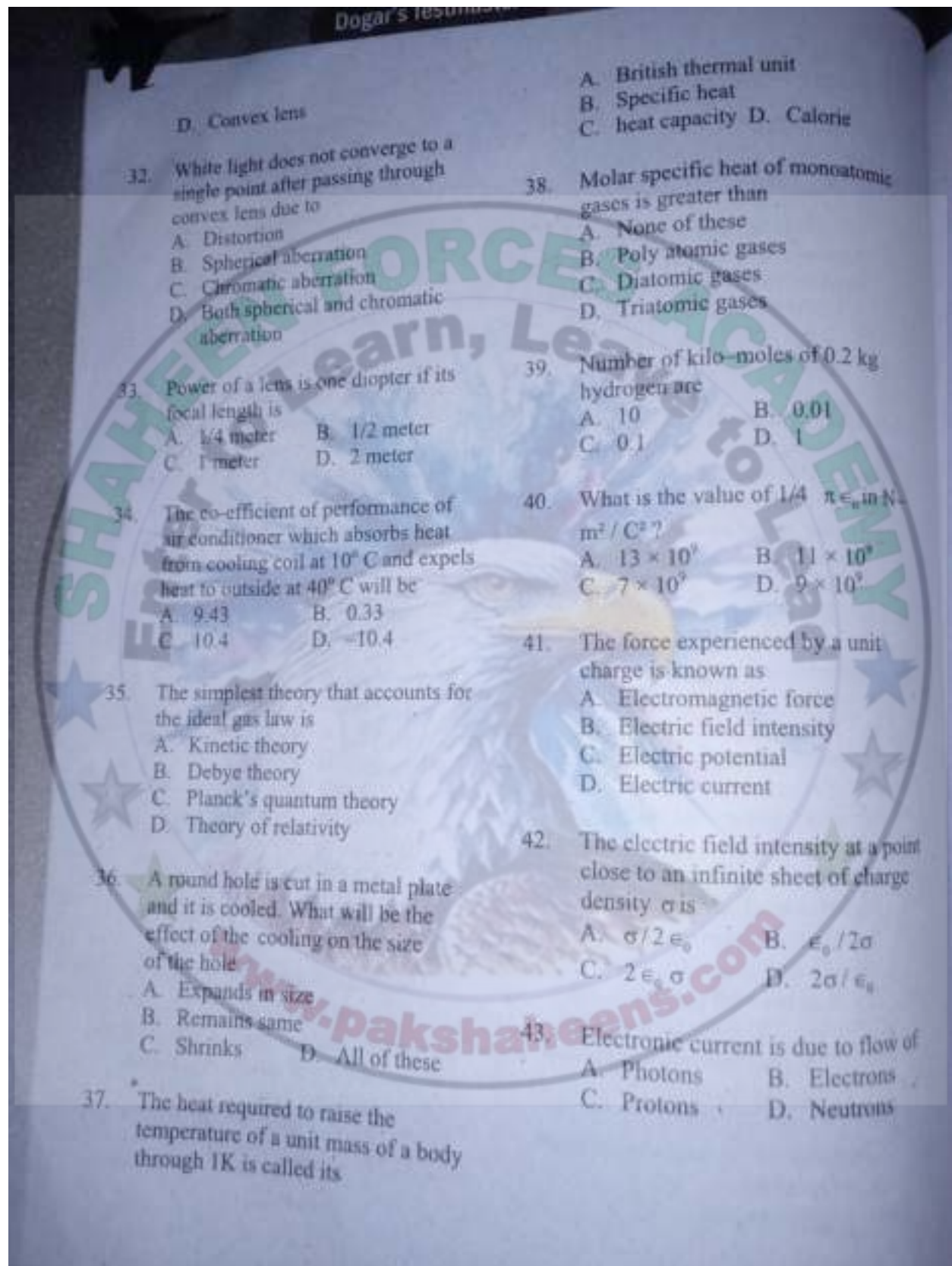
Directions:

Each question in the following section are based on Physics questions. Each of the following questions is followed by four options. Select the correct option in each case.

- The dimensional formula for angular velocity is
 A. $M^0 L^2 T^{-1}$ B. $M^0 L T^{-2}$
 C. MLT^{-1} D. MLT^{-2}
- Which one of the following is the dimensional formula for angular momentum
 A. $M^2 L^2 T^{-1}$ B. $ML^2 T^{-1}$
 C. $ML^2 T^{-2}$ D. $ML^{-2} T^{-1}$
- The equation of state for n mole of an ideal gas is $PV = nRT$. The S.I unit of the universal gas constant R is
 A. Newton K^{-1} mole $^{-1}$
 B. Joule K^{-1} mole $^{-1}$
 C. Erg K^{-1} mole $^{-1}$
 D. Watt K^{-1} mole $^{-1}$
- A vector is a physical quantity which is completely described by
 A. A number only
 B. Direction only
 C. Magnitude and direction
 D. Magnitude only
- If the cross product between two non zero vectors A and B is zero then their dot product is
 A. AB B. 0
 C. $AB \cos \theta$ D. $AB \sin \theta$
- If x -component of a vector is $3N$ and y -component is $-3N$, then angle of the resultant vector with the x -axis will be:
 A. 225° B. 45°
 C. 135° D. 315°
- The path of a projectile is determined by
 A. Electromagnetic force
 B. Electric force
 C. Magnetic force
 D. Gravitational force
- Centripetal force is that force which is directed
 A. Towards the centre of the circle
 B. Tangent to the circle
 C. Away from the centre of the circle
 D. Not have a particular direction
- Linear velocity of a point moving in a circle of radius 20 cm with angular velocity of 2 rad/sec is
 A. 10 cm/sec B. 30 cm/sec
 C. 40 cm/sec D. 45 cm/sec
- The centre of gravity of a triangular plate is at
 A. None of the above
 B. One end of the plate
 C. The intersection of the medians
 D. The mid point of any side of the plate







44. Heat generated by 100 w bulb in one hour will be

- A. $2.8 \times 10^5 \text{ J}$ B. $3.6 \times 10^4 \text{ J}$
C. $3.6 \times 10^5 \text{ J}$ D. $3.6 \times 10^3 \text{ J}$

45. A copper rod has a resistance of 40Ω at 0° and a resistance of 56Ω at 100° . What is the temperature coefficient of resistance of copper?

- A. $8 \times 10^{-4} \text{ K}^{-1}$ B. $2 \times 10^{-4} \text{ K}^{-1}$
C. $4 \times 10^{-4} \text{ K}^{-1}$ D. $4 \times 10^{-5} \text{ K}^{-1}$

46. The SI unit of flux density is

- A. $\text{NA}^{-1} \text{m}^{-1}$ B. NA m
C. $\text{NA}^{-1} \text{m}$ D. NA m^{-1}

47. The direction of an induced current is such that it opposes the cause which produces it, is the statement of

- A. Gauss's law B. Ampere's law
C. Lenz's law D. Faraday's law

48. Transformer is used to

- A. Increase or decrease direct current (D.C) voltage
B. Increase or decrease alternating voltage
C. Increase alternating voltage only
D. Decrease alternating voltage

49. An avometer is a device which can measure

- A. All of the following
B. Resistance
C. Current
D. Voltage

50. In multi range voltmeter different high resistance are connected

- A. No resistance is connected in series
B. In series with galvanometer
C. In parallel with galvanometer
D. Some are connected in parallel and some are in series



ANSWER KEY

| | | | | |
|-------|-------|-------|-------|-------|
| 1. A | 2. B | 3. B | 4. C | 5. A |
| 6. D | 7. D | 8. A | 9. C | 10. C |
| 11. A | 12. B | 13. C | 14. B | 15. A |
| 16. C | 17. D | 18. C | 19. B | 20. D |
| 21. C | 22. A | 23. D | 24. C | 25. A |
| 26. B | 27. B | 28. B | 29. A | 30. D |
| 31. D | 32. B | 33. C | 34. A | 35. A |
| 36. C | 37. B | 38. A | 39. C | 40. D |
| 41. B | 42. A | 43. B | 44. D | 45. C |
| 46. A | 47. C | 48. B | 49. A | 50. B |

www.pakshaheens.com

PRACTICE TEST NO. 15

Directions:

Each question in the following section are based on Physics questions. Each of the following questions is followed by four options. Select the correct option in each case.

- Atomic physics deals with the structure and properties of atoms on the basis of
 - Nucleus
 - Protons
 - Neutrons
 - Electrons
- The prefix pico stands for
 - 10^{-12}
 - 10^{12}
 - 10^{-9}
 - 10^9
- The pioneers of physics are
 - Chinese
 - Babylonians
 - Greeks
 - Egyptians
- If the resultant of two forces, each of magnitude A , is also of same magnitude, then the angle between them will be
 - 90°
 - 120°
 - 60°
 - 30°
- The unit vector of a vector A of magnitude 2 is
 - $\frac{A}{|A|}$
 - $\frac{A}{2}$
 - $2A$
 - $\frac{A}{|A|}$
- If $\vec{A} \cdot \vec{B} = 0$ and $\vec{A} \neq 0$ and $\vec{B} \neq 0$ then
 - A and B are perpendicular
 - A and B are inclined at 45°
 - A and B are parallel
 - A and B are anti parallel
- The motion of a body in a circle is called
 - Angular motion
 - Elliptical motion
 - Rectilinear motion
 - Vibratory motion
- When a projectile moves upwards, its vertical component of velocity
 - Becomes equal to horizontal velocity
 - Increase
 - Remains constant
 - Decreases
- Angular acceleration is
 - $1/r$ times angular velocity
 - r times linear acceleration
 - r times angular velocity
 - $1/r$ times linear acceleration
- The perpendicular distance between the line of motion of force and the axis of rotation is called
 - Distance
 - Angular displacement
 - Displacement
 - Moment arm
- Torque is equal to zero if
 - $\theta = 60^\circ$
 - $\theta = 180^\circ$
 - $\theta = 30^\circ$
 - $\theta = 90^\circ$

12. If a body is moving with a uniform velocity with respect to a fixed origin, then its angular momentum will
- Remain constant
 - Increase
 - First increases then decreases
 - Decreases
13. The acceleration due to the gravity on a planet with mass and radius half of the earth will be
- 2.45 m/sec^2
 - 4.9 m/sec^2
 - 9.8 m/sec^2
 - 19.6 m/sec^2
14. Density of earth is greater than the density of water by
- 5.5 times
 - 4 times
 - 6 times
 - 5 times
15. A mass of 100 kg in an elevator is descending with $a = 1 \text{ m/sec}^2$. Its apparent weight will be
- 100 N
 - 980 N
 - 880 N
 - 1080 N
16. The energy released in fission reaction is
- Nuclear energy
 - Wind energy
 - Tidal energy
 - Solar energy
17. A body of mass 2 kg is lifted to the first floor at a height of 10 m. What is the work done in joules?
- 196
 - 198
 - 2000
 - 194
18. The work done in moving a body between two points in a conservative field is independent of
- Energy
 - Path followed by a body
 - Direction
 - Force
19. One end of a rubber string is attached to a vibrator having a frequency 200 hertz while the other end is connected to a rigid support then the speed of the wave generated will be
- 40 m/sec
 - 20 m/sec
 - 80 m/sec
 - 160 m/sec
20. Pendulums having same length will have
- Different time periods
 - The same frequency
 - Different value of g
 - Different frequency
21. If a wave generator produces 24 pulses in 4 sec., then its frequency will be
- 24 hertz
 - 12 hertz
 - 116 hertz
 - 6 hertz
22. A train while whistling moves with a velocity thrice the velocity of sound away from a stationary listener, then the frequency of sound waves heard by the listener will
- Become one third
 - Become one fourth
 - Become three times
 - Become four times
23. What will be the effect on the speed of transverse wave in a string, if the tension in the string is increased four times?
- Becomes double
 - Becomes half
 - Remains same

Dogar's Testmaster

- D. Increases four times
24. A source of sound having frequency f is moving with velocity a towards stationary listener. If V is the velocity of sound then apparent frequency f' of the sound heard by listener will be
 A. $(V-a/v)f$ B. $(V+a/v)f$
 C. $Vf/(v+a)$ D. $vf/(v-a)$
25. Which one of the following properties is not found in both sound and light?
 A. Reflection B. Interference
 C. Diffraction D. Polarization
26. Which of the following properties proves that light behaves as waves?
 I. Interference II. Diffraction
 III. Refraction
 A. I, II and III are correct
 B. I and II are correct only
 C. II and III are correct only
 D. I and III are correct only
27. In order to observe two successive bright or dark fringes in Michelson's interferometer the moveable mirror is displaced through a distance of
 A. 2λ B. $\lambda/4$
 C. $\lambda/2$ D. λ
28. A monochromatic of wave length 500 nm is incident normally on a diffraction grating having 200 lines per millimeter, the maximum number of order visible on one side will be
 A. 15 B. 20
 C. 5 D. 10
29. To observe interference of light (between two waves) the two waves must
 I. Be monochromatic
 II. Be phase coherent
 III. Obey the principle of linear superposition
 A. I and III are correct only
 B. II and III are correct only
 C. I, II and III are correct
 D. I and II are correct only
30. Power of a lens is equal to
 A. Half the focal length
 B. Double of focal length
 C. Focal length in meters
 D. Reciprocal of focal length expressed in meters
31. Linear magnification M is equal to
 A. $1/p$ B. $1/q$
 C. q/p D. p/q
32. The centre of the lens through which a ray of light does not change its direction is known as
 A. Aperture
 B. Centre of curvature
 C. Focus D. Optical centre
33. If the magnifying power of a magnifying glass is 3, then its focal length is
 A. 12.5 cm B. 125 mm
 C. 125 cm D. 25 cm
34. The efficiency of a Carnot engine can be made 100% if
 A. Low temperature reservoir is at 0°K

- B. Low temperature reservoir at 0° F
 C. Low temperature reservoir at 0° C
 D. When both the reservoirs are at the same temperature
35. Temperature is a property which determines
 A. The ability of a body to transfer heat to other bodies
 B. How much heat a body contains
 C. How much total absolute energy a body
 D. Fraction of heat removed from a body
36. The process in which a system undergoes a change of state at constant volume is called
 A. Isobaric B. Isochoric
 C. Adiabatic D. Isothermal
37. When a sphere is heated, then the greatest increases is in its
 A. Surface area B. Volume
 C. Radius D. Circumference
38. Boyle's law states that volume of a given mass of a gas is
 A. Inversely proportional to pressure at constant temperature
 B. Directly proportional to pressure at constant temperature
 C. Inversely proportional to temperature at constant pressure
 D. Directly proportional to temperature at constant pressure
39. The value of specific heats of monatomic gases is
 A. Equal to polyatomic
 B. Greater than diatomic
 C. Equal to diatomic
 D. Less than diatomic
40. On an equipotential surface work done in carrying a positive charge from one point to another is
 A. Zero B. Infinity
 C. Finite and positive
 D. Finite and negative
41. If a charge q is placed at the centre of a sphere, then the flux through the surface of sphere is
 A. q/ϵ_0 B. $\epsilon_0 q$
 C. $\epsilon_0 + q$ D. q/ϵ_0
42. If charges of $q_1 = q_2 = q_3 = q_4 = 4\mu\text{C}$ are placed at four corners of a square, then the electric field intensity at its centre is
 A. -1 N/C B. 0
 C. -2 N/C D. -3 N/C
43. The commercial unit of electrical energy is
 A. Horse power B. Watt
 C. Kilo watt hour
 D. volt
44. Three resistors $1\Omega, 2\Omega, 3\Omega$ are connected in series by a battery of 6 volts then the current flowing through each resistor will be
 A. 1.0 A B. 2.0 A
 C. 1.5 A D. 0.5 A
45. Ohm established a relation between
 A. Voltage resistance and charge

Dogar's Testmaster

- B. Voltage and current
C. Voltage and charge
D. Voltage and resistance

46. Which one of the following is the magnitude of force acting on 1 meter long wire carrying current 2A and held perpendicular to the magnetic field of 5 tesla?

- A. $1/4$ N B. $1/3$ N
C. $1/2$ N D. 1 N

47. The particle which cannot be deflected in a magnetic field is

- A. β -particle B. Electron
C. Neutron D. α -particle

48. The relation $-(\text{emf}) / (\Delta I / \Delta t)$ is used to measure

- A. Self inductance
B. Magnetic flux
C. Electric flux
D. Mutual inductance

49. Wheatstone bridge is used to determine

- A. Unknown value of resistance
B. Current through a resistance
C. Potential difference across a resistance
D. None of these

50. Potentiometer is an accurate potential measuring instrument because

- A. It draws maximum current from the circle.
B. It does not draw any current from the circuit.
C. It has low resistance.
D. A uniform and long wire is used.



ANSWER KEY

| | | | | |
|-------|-------|-------|-------|-------|
| 1. D | 2. A | 3. C | 4. B | 5. D |
| 6. B | 7. A | 8. D | 9. D | 10. D |
| 11. B | 12. A | 13. D | 14. A | 15. C |
| 16. A | 17. A | 18. B | 19. A | 20. B |
| 21. D | 22. B | 23. A | 24. D | 25. D |
| 26. A | 27. B | 28. D | 29. C | 30. D |
| 31. B | 32. D | 33. A | 34. A | 35. A |
| 36. B | 37. B | 38. A | 39. D | 40. A |
| 41. D | 42. B | 43. C | 44. A | 45. B |
| 46. D | 47. C | 48. A | 49. A | 50. B |

www.pakshaheens.com

ACADEMIC TEST (ENGLISH)

ANSWER SHEET

• Remove this answer sheet and use it to fill in the letter choice corresponding to your answer choice. See the answer key at the end of the test to correct your answers when finished.

• Use only BALL PEN (Black/Blue) to shade / fill the circles. Answer sheet contains five options of answer for one question containing alphabets from A to E inside, against each question number. You are to fill one circle you think is the right answer.

Name: _____ Start Time: _____ End Time: _____
 Date: _____

| | | | | | |
|----|---|---|---|---|---|
| 1 | A | B | C | D | E |
| 2 | A | B | C | D | E |
| 3 | A | B | C | D | E |
| 4 | A | B | C | D | E |
| 5 | A | B | C | D | E |
| 6 | A | B | C | D | E |
| 7 | A | B | C | D | E |
| 8 | A | B | C | D | E |
| 9 | A | B | C | D | E |
| 10 | A | B | C | D | E |
| 11 | A | B | C | D | E |
| 12 | A | B | C | D | E |
| 13 | A | B | C | D | E |
| 14 | A | B | C | D | E |
| 15 | A | B | C | D | E |
| 16 | A | B | C | D | E |
| 17 | A | B | C | D | E |
| 18 | A | B | C | D | E |
| 19 | A | B | C | D | E |
| 20 | A | B | C | D | E |
| 21 | A | B | C | D | E |
| 22 | A | B | C | D | E |
| 23 | A | B | C | D | E |
| 24 | A | B | C | D | E |
| 25 | A | B | C | D | E |
| 26 | A | B | C | D | E |
| 27 | A | B | C | D | E |
| 28 | A | B | C | D | E |
| 29 | A | B | C | D | E |
| 30 | A | B | C | D | E |
| 31 | A | B | C | D | E |
| 32 | A | B | C | D | E |
| 33 | A | B | C | D | E |
| 34 | A | B | C | D | E |
| 35 | A | B | C | D | E |
| 36 | A | B | C | D | E |
| 37 | A | B | C | D | E |
| 38 | A | B | C | D | E |
| 39 | A | B | C | D | E |
| 40 | A | B | C | D | E |
| 41 | A | B | C | D | E |
| 42 | A | B | C | D | E |
| 43 | A | B | C | D | E |
| 44 | A | B | C | D | E |
| 45 | A | B | C | D | E |
| 46 | A | B | C | D | E |
| 47 | A | B | C | D | E |
| 48 | A | B | C | D | E |
| 49 | A | B | C | D | E |
| 50 | A | B | C | D | E |

Directions:

Choose the correct answer to complete the following.

PRACTICE TEST NO. 1

1. How can they _____ here by the evening?
☒ A. reach B. reaching
☐ C. to reach D. to reaching
2. There is _____ milk in the jug, you can drink it.
☒ A. a little B. little
☐ C. more
3. Who prevents him _____?
☐ A. to go there
☒ B. from going there
☐ C. for going D. going there
4. Many a boy _____
☒ A. is coming B. are coming
☐ C. have come
5. He knows _____
☐ A. to solve puzzle.
☐ B. solve puzzles
☒ C. how to solve puzzles
☐ D. to solving puzzles
6. Don't leave the place _____ I order.
☐ A. as long as B. till
☒ C. unless D. as
7. Let you and _____ go there together.
☐ A. I ☒ B. me
☐ C. my
8. Those who abide _____ are most respected.
☐ A. for B. of
☒ C. by D. at
9. _____ is a faithful animal.
☐ A. a dog B. dog
☒ C. the dog D. none of these
10. He worked _____ hard that he was successful.
☒ A. so B. very
☐ C. too D. enough
11. Nadeem is _____ than his brother.
☒ A. more educated
☐ B. much educated
☐ C. the more educated
12. Where does this road lead _____?
☐ A. for ☒ B. to
☐ C. at D. of
- Direction:**
 Choose the correct word which is similar or nearly similar to the given word.
13. Contemplate:
☒ A. to think B. to excel
☐ C. to quit D. to prolong
14. Promulgate:
☒ A. to officially declare
☐ B. unofficially declare
☐ C. secretly declare
15. Obscure:
☒ A. hidden B. discovered
☐ C. profound

Directions:
Choose the correct answer from the choices given below that is the closest in meaning to the original sentence/underlined words & phrases:

16. He got the palace built a hundred years ago.
☒ A. Had the palace built
 B. Made the palace built
 C. Acquire the palace built

17. The thief decamped with the ornaments.
 A. fled B. stayed
 C. camped D. played

18. Despite his persuasion, he was not taken by the tour.
 A. In spite of his persuasion
 B. Instead of his persuasion
 C. Besides his persuasion

19. The flight is obligated to fly at 4 p.m.
☒ A. Scheduled to fly
 B. Ordered to fly
 C. Implored to fly
 D. Expected to fly

20. The difficulties were intolerable, but he underwent:
 A. were unbearable
 B. were bearable
 C. were boring
 D. were overcome

21. He was accustomed to rising early.
☒ A. used to B. use to
 C. using to

22. The man was so oblivious that he forgot his own name.
☒ A. so forgetful B. so obstinate
 C. so scary

23. It might rain heavily.
☒ A. It might be heavy down pour
 B. It might be heavy drought
 C. It might be heavy windstorm
 D. It might hail heavily

24. His spontaneous speech inspired us.
☒ A. Already prepared
 B. Already learnt
 C. Already conceived
 D. Unprepared

25. His precise estimation was appreciated.
 A. Inexact B. Exact
 C. Approximate
 D. Profound

Directions:
Choose the correct word which is similar or nearly similar to the given word:

26. Cosmic:
☒ A. Universal B. Worldly
 C. Of cosmetics D. Comic

27. Crawl:
☒ A. Creep B. Stroll
 C. Roam D. Walk

28. Hollow:
☒ A. Empty from inside

PAF | ENGLISH

- B. Not empty from inside
C. Jam packed
D. Coarse from inside

29. Frail:
A. Strong ☒ B. Weak
C. Disgusting D. Sluggish

Directions:

Choose the correct answer to fill in the spaces.

30. He performs physical exercise on _____ days.
A. alternative B. altering
C. alternate D. alternating
31. Those who tried to _____ the work were punished.
A. hinder B. prevent
C. forbid D. detain
32. Although he memorized a great deal of material, _____ he failed badly.
A. but B. so
C. yet D. instead
33. The money by unfair means is known _____.
A. illegitimate B. elicit
C. illegal D. love
34. He delivered a _____ speech.
A. through B. thorough
C. thoroughly
35. Please ask what _____.
A. his name is B. is his name
C. his name D. as name
36. The dog barked _____ a stranger.
A. at B. on
37. After the legitimization is over he shall be clear _____ the crime.
A. on B. from
C. to D. of
38. He was walking _____ the road.
A. along B. alone
C. on D. with
39. Deprived _____ their rights laboring children are very helpless.
A. on B. of
C. at D. with
40. Strike a match stick _____ the powdered surface.
A. with B. against
C. on D. at
41. He lived on _____ storey of the building.
A. three B. third
C. the third D. the three
42. These tickets are for gate _____.
A. ten B. tenth
C. the ten D. the tenth

Dogar's Testmaster

43. He seduced her so _____ that we did not know.
 A. cunning B. cunningly
 C. cunningness

44. They would rather that you and I _____ with them.
 A. go B. going
 C. went D. gone

45. He had never seen _____ he was going to marry.
 A. who B. whose
 C. whom D. which

46. They are going to a hill station to spend their _____.
 A. vacations B. vacation
 C. vacating days

47. It _____ raining since 2 P.m.
 A. is B. Was
 C. Has been D. Have been

48. Let's you and _____ go together.
 A. I B. my
 C. me

49. He did not know that it was _____ who reformed the situation.
 A. me B. mine
 C. I

50. They will _____ go there.
 A. can B. be able to
 C. enable D. able to

ANSWER KEY

| | | | | | |
|----|---|----|---|----|---|
| 1 | A | 21 | A | 41 | B |
| 2 | C | 22 | B | 42 | C |
| 3 | A | 23 | A | 43 | A |
| 4 | A | 24 | A | 44 | C |
| 5 | A | 25 | A | 45 | B |
| 6 | A | 26 | A | 46 | C |
| 7 | A | 27 | A | 47 | C |
| 8 | A | 28 | A | 48 | C |
| 9 | A | 29 | A | 49 | C |
| 10 | A | 30 | A | 50 | C |
| 11 | A | 31 | A | | |
| 12 | A | 32 | A | | |
| 13 | A | 33 | A | | |
| 14 | A | 34 | A | | |
| 15 | A | 35 | A | | |
| 16 | A | 36 | A | | |
| 17 | A | 37 | A | | |
| 18 | A | 38 | A | | |
| 19 | A | 39 | A | | |
| 20 | A | 40 | A | | |

SHAKHAR FORCES ACADEMY

Learn, Leave to Lead

www.pakshaheens.com

PAF | ENGLISH

58

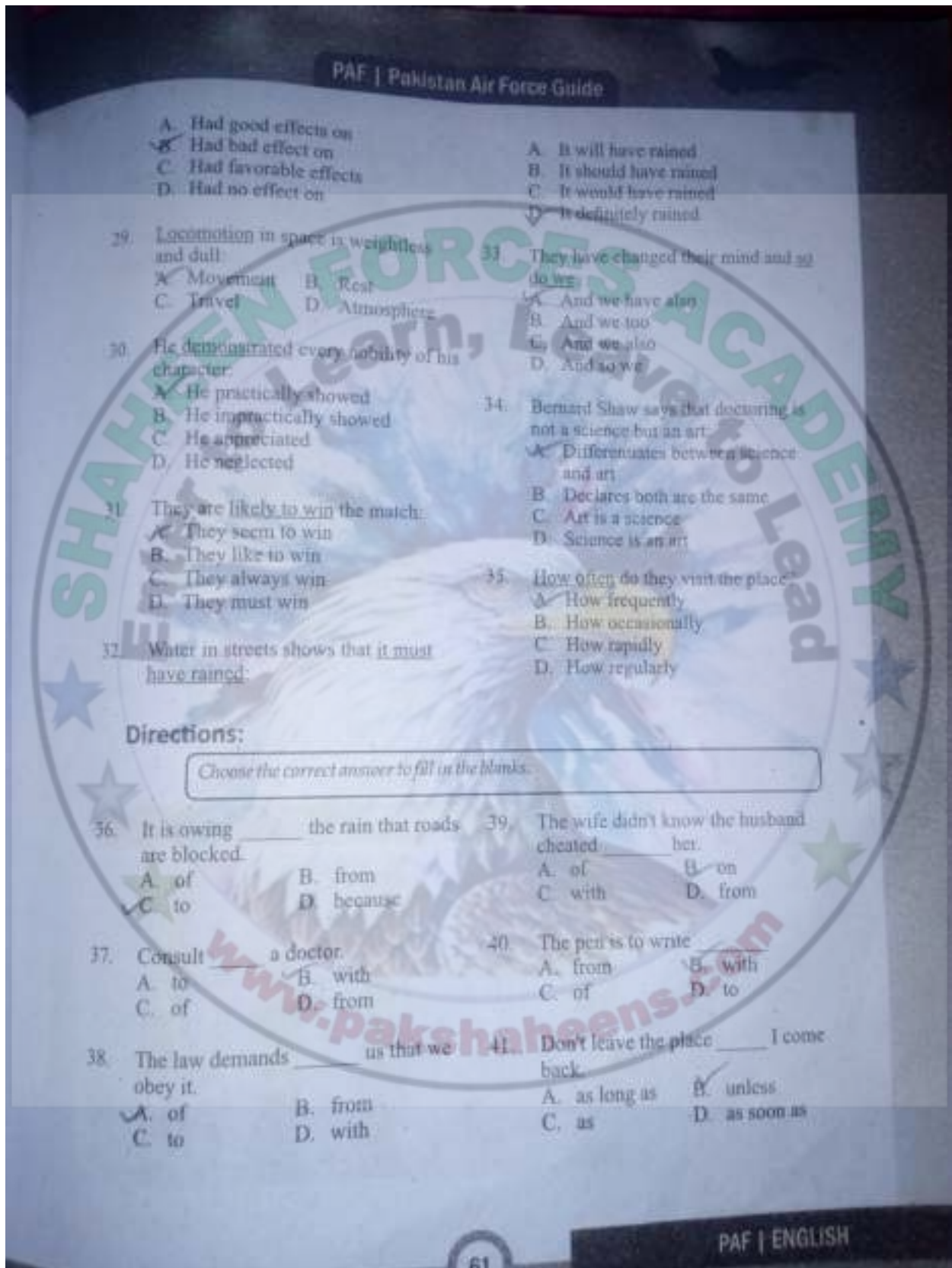
Directions:

Choose the correct answer of the
blank given below each sentence.

PRACTICE TEST NO. 2

1. Would he have scored a goal if he _____
☒ A. had tried B. tried
☐ C. would try D. have tried
2. I had hardly recognized him _____
he vanished.
☒ A. when B. then
☐ C. since D. whether
3. The flight is off; he _____ gone to
sleep early.
☒ A. must have B. should have
☐ C. could have D. will have
4. He knows _____ machines.
☒ A. how to repair
☐ B. to repair
☐ C. repair
5. If he were a landlord he _____ be
wealthy.
☒ A. would B. may
☐ C. can D. will
6. _____ he remains out of the home,
his mother will be worried.
☒ A. as long as B. unless
☐ C. until D. till
7. Please avoid _____ loudly.
☐ A. talk B. to talk
☒ C. talking
8. He finished _____ essays when he
died.
☐ A. to write B. write
☒ C. writing
9. How _____ mangoes are there in the
tray?
☐ A. much ☒ B. many
☐ C. as many
10. Never _____ heard again.
☒ A. was the voice B. the voice was
☐ C. the voice
11. The flowers in his garden always
smelled _____.
☒ A. sweet B. sweetly
☐ C. more sweet
12. This pen is _____ than that one.
☐ A. costly ☒ B. costlier
☐ C. more costly
13. He is such a man _____ Qasim.
☐ A. as B. that
☒ C. like D. who
14. Please, _____ the cobbler mend
your shoes.
☐ A. make B. get
☐ C. take D. making
15. His voice was so _____ that it kept
all audience spell bound for hours.
☒ A. melodious B. melodiously
☐ C. melody





Dojar's Test

42. To get his versing _____ he needs to go to a publisher.
☒ A. published B. publishing
☐ C. publish

43. They are _____ him sign against his will.
☒ A. making B. getting
☐ C. forcing

44. No sooner did he come back _____ his father died.
☐ A. then ☒ B. than
☐ C. when

45. Buy as _____ apples as you want.
☐ A. much ☒ B. many
☐ C. very ☐ D. so

Directions:
 Choose the answer closest in meaning to the given word.

46. Component:
☒ A. Part B. Compounds
☐ C. Collision ☐ D. Commutation

47. Varnish:
☒ A. Polish B. Soak
☐ C. Colour ☐ D. Furnish

48. Wisdom:
☐ A. Silliness B. Stupidity
☒ C. Intelligence ☐ D. Rudeness

49. Fancy:
☒ A. Imagine B. Subtract
☐ C. Extract ☐ D. Observe

50. Stretched:
☒ A. Extended B. Branded
☐ C. Magnified ☐ D. Adopted

ANSWER KEY

| | | | | |
|-------|-------|-------|-------|-------|
| 1. A | 2. A | 3. A | 4. A | 5. A |
| 6. A | 7. C | 8. C | 9. B | 10. A |
| 11. A | 12. B | 13. A | 14. A | 15. A |
| 16. B | 17. B | 18. A | 19. B | 20. B |
| 21. A | 22. A | 23. A | 24. A | 25. D |
| 26. A | 27. A | 28. B | 29. A | 30. A |
| 31. A | 32. D | 33. A | 34. A | 35. A |
| 36. C | 37. B | 38. A | 39. B | 40. B |
| 41. B | 42. A | 43. A | 44. B | 45. B |
| 46. A | 47. A | 48. C | 49. A | 50. A |

PAF | ENGLISH

62

Pakistan Air Force Guide

Directions:
Choose the correct answer from the choices given for each sentence.

PRACTICE TEST NO. 3

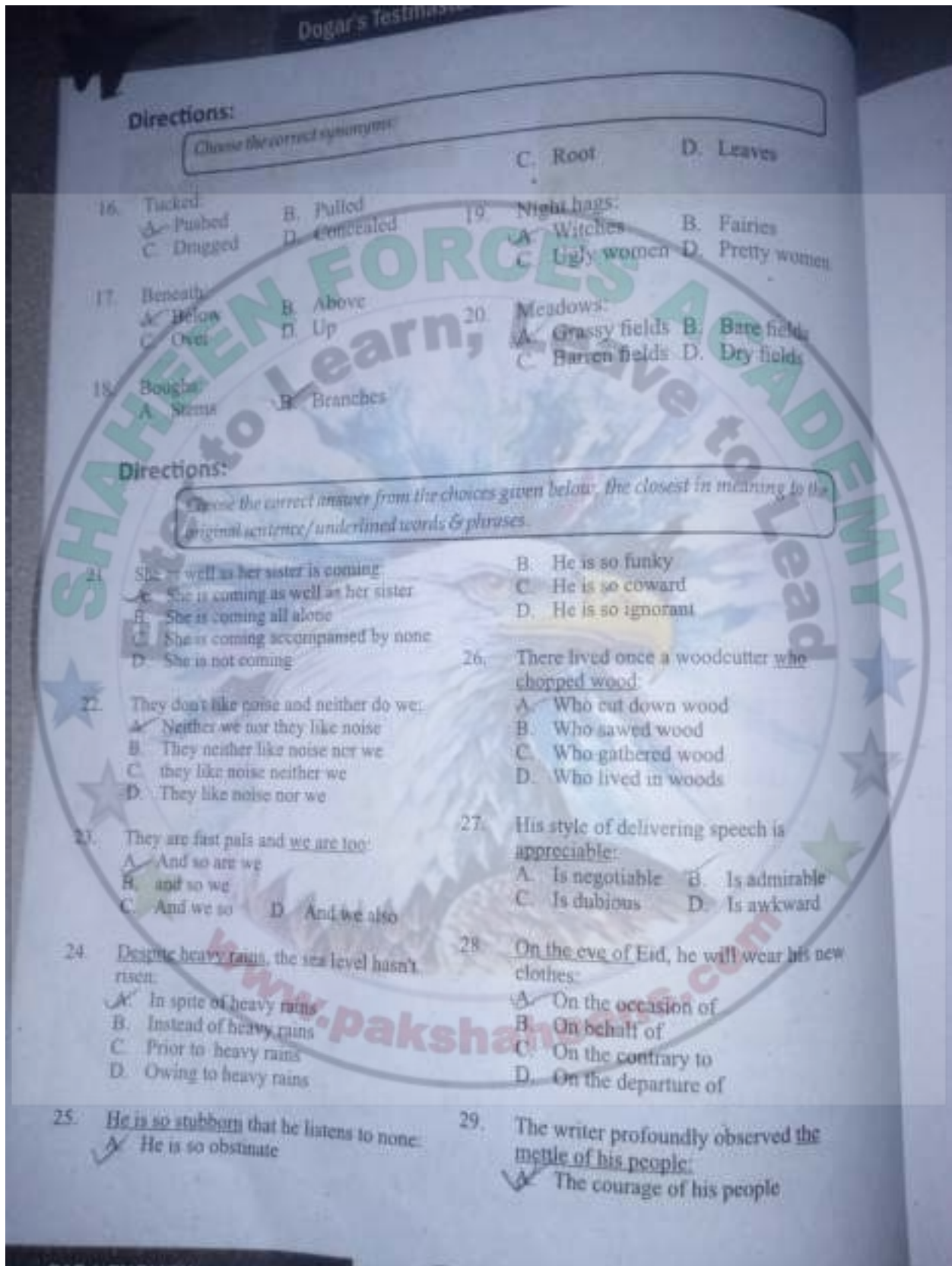
SHAHEN FORCES ACADEMY

Learn, Lead & Inspire

1. Will you help the poor if you were rich?
☒ A. would B. may
☐ C. will D. can
2. Getting up early, picking and dropping children and _____ there are his duties.
☐ A. to look after B. looking after
☐ C. look after
3. Please look after the plants _____ I am away from station.
☐ A. until B. unless
☐ C. as long as
4. Everybody was anxious to know who _____.
☐ A. was the man B. the man
☒ C. the man was
5. You need to work _____ than before.
☐ A. hard B. harder
☐ C. more hard
6. Would you please tell me _____ living?
☐ A. where are you
☒ B. where you are
☐ C. where you
7. She knew _____, so she lent a hand to her husband.
☐ A. stitch B. to stitch
☒ C. stitching
8. Will he come if I _____ him?
☒ A. invite B. invited
9. He was _____ that the windstorm would blow him away.
☐ A. sure B. surely
☐ C. assure
10. _____ is a precious metal.
☐ A. the gold B. gold
☐ C. a gold
11. Please tell me _____ get to the station?
☒ A. how to B. so
☐ C. in order to
12. The bus collided with the truck and collapsed.
☐ A. who B. which
☐ C. whom
13. Aslam _____ brother is Qasim, is my friend.
☐ A. who B. whom
☒ C. whose
14. The car _____ ran fast met an accident.
☐ A. which B. whose
☐ C. who D. whom
15. I need to know _____ who Qasim is.
☐ A. that B. as to
☐ C. in order to

63

PAF | ENGLISH



PAF | Pakistan Air Force Guide

☒ B. The wealth of his people
☒ C. The behavior of his people
☐ D. The unawareness of his people

30. They had an unbridged gulf of differences:

☐ A. Their differences were of ordinary types
☐ B. Their differences were long rooted
☒ C. Their differences were nonnegotiable
☐ D. Their differences were eradicated

31. He had hoped that things would be favourable:

☒ A. The result of hope was contrary
☐ B. The result of hope was the same
☐ C. The result of hope was similar
☐ D. The result of hope was success

32. Love is easier said than done:

☒ A. Easier to say than to do
☐ B. Easy to saying than to doing
☐ C. Easier in talk from practice

33. Have you gone ape?

☒ A. Your behavior is not humanly
☐ B. Your behavior is humanly
☐ C. You have been conscious
☐ D. You have been unconscious

34. His destiny brought to him an awful disaster:

☐ A. His destiny made him prosperous
☒ B. His destiny ruined him
☐ C. His destiny raised him among his people
☐ D. His destiny favoured him

35. Stay tuned to it:

☒ A. Stay attentive to it
☐ B. Stay unoppressed
☐ C. Stay out of tune
☐ D. Stay looking at it

Directions:

Choose the correct answer to fill in the blanks:

36. They are quite pleased _____ him.

☐ A. to ☐ B. from
☐ C. of ☐ D. with

37. He hindered me _____ work:

☒ A. from ☐ B. on
☐ C. with ☐ D. at

38. Striking a hammer _____ iron makes noise:

☐ A. with ☐ B. against
☐ C. to ☐ D. of

39. He shows that he is much happier _____ before:

☒ A. than ☐ B. then
☐ C. from

40. Please congratulate him _____ his brilliant success:

☐ A. of ☐ B. to
☐ C. on ☐ D. at

41. Sort:

☐ A. Race ☐ B. Caste
☒ C. Kind ☐ D. Opposite

42. Earnestly:

☒ A. Seriously ☐ B. Mockingly
☐ C. Happily ☐ D. Terribly

43. Carter:

☒ A. Cart man ☐ B. To provide
☐ C. To carry ☐ D. Enormous

44. Bestowed:

☒ A. Awarded ☐ B. Neglected

PAF | ENGLISH

Directions: Choose the correct answer for each sentence that is underlined in meaning to the original sentence.

46. It is a truth that can't be falsified.
 A. Cannot be refuted
 B. Cannot be denied
 C. Cannot be required
 D. Cannot be fabricated

47. They are still dubious about their progress.
 A. They are still doubtful about their progress.
 B. They are still hesitant about their progress.
 C. They are still scared about their progress.
 D. They are still obsessed about their progress.

48. Owing to a fractured leg, he rested on a chair.
 A. Because of his broken leg
 B. Because of his intact leg
 C. Because of his wounded leg
 D. Because of his injured leg

49. It was not a trivial matter of daily routine.
 A. It was not an unimportant matter.
 B. It was not an extraordinary matter.
 C. It was not an exceptional matter.
 D. It was not an essential matter.

50. He obstinately said that he would go.
 A. He, stubbornly said
 B. He, spontaneously said
 C. He, ridiculously said
 D. He, awfully said

ANSWER KEY

| | | | | | | | | | |
|----|---|----|---|----|---|----|---|----|---|
| 1 | A | 12 | B | 23 | A | 34 | A | 45 | A |
| 2 | B | 13 | C | 24 | A | 35 | A | 46 | B |
| 3 | A | 14 | A | 25 | B | 36 | A | 47 | B |
| 4 | A | 15 | A | 26 | A | 37 | A | 48 | A |
| 5 | A | 16 | A | 27 | A | 38 | A | 49 | A |
| 6 | A | 17 | A | 28 | A | 39 | A | 50 | A |
| 7 | A | 18 | A | 29 | A | 40 | C | | |
| 8 | A | 19 | A | 30 | A | 41 | A | | |
| 9 | D | 20 | B | 31 | B | 42 | A | | |
| 10 | C | 21 | A | 32 | A | 43 | A | | |
| 11 | D | 22 | A | 33 | A | 44 | A | | |

Directions:
Choose the correct answer from the choices given below for each sentence.

PRACTICE TEST NO. 4

- Would you stay with him _____?
☒ A. if he insisted
 B. if he insists
 C. if he will insist
 D. if he insist
- There are _____ students in his class.
☒ A. very
 B. very much
☒ C. very many
- Seldom _____ know we are here.
☒ A. can he
 B. he can
 C. he
- Scarcely _____ reach home.
☒ A. he will
 B. will he
 C. he
- The room is _____ that we don't need another.
 A. enough capacious
☒ B. capacious enough
 C. enough
- Do _____ I have asked you to.
☒ A. as
 B. like
 C. as much
 D. as such
- He wasn't at home _____?
 A. is he
☒ B. was he
 C. did he
- Many a woman _____ coming.
☒ A. is
 B. are
 C. were
- He wanted _____ quantity of sugar.
☒ A. little
 B. a little
 C. the little
- _____ chairs that we have are for ourselves.
☒ A. the few
 B. a few
 C. few
- He could stand on _____.
 A. indefinite
☒ B. indefinitely
 C. infinitely
- He has not made any mistakes and I have not _____.
 A. also
☒ B. either
 C. neither
 D. as well
- You need extra efforts to get it _____.
 A. do
 B. did
☒ C. done
- It is _____ that children, during birth die.
 A. exceptional
☒ B. exceptionally
 C. usually
- _____ by the people he was declared the President.
☒ A. anointed
 B. ointed
 C. applied

Directions:
Choose the correct synonym.

16. Gaze:
A. See B. Acquite
C. Detain D. Denie

17. Glimpse:
A. Brief view B. Thorough view
C. Blocked view

18. Scumint:
A. Leathsome B. Pleasant
C. Live D. Active

19. We should look _____ our elders:
A. all B. up to
C. to D. at

20. Pardon:
A. Forgive B. Apologize
C. Pray for D. Forget

21. Occurred:
A. Happened B. Glittered
C. Howled D. Faded

22. Dungeon:
A. Prison B. Field
C. Sillage D. Garden

23. Enchanted:
A. Charmed B. Harmed
C. Scary D. Dreadful

24. Archer:
A. Expert in shooting arrows
B. Expert in sword fighting
C. Expert in firing guns
D. Expert in pursuits

25. Chase:
A. Follow B. Proceed
C. Lead D. Direct

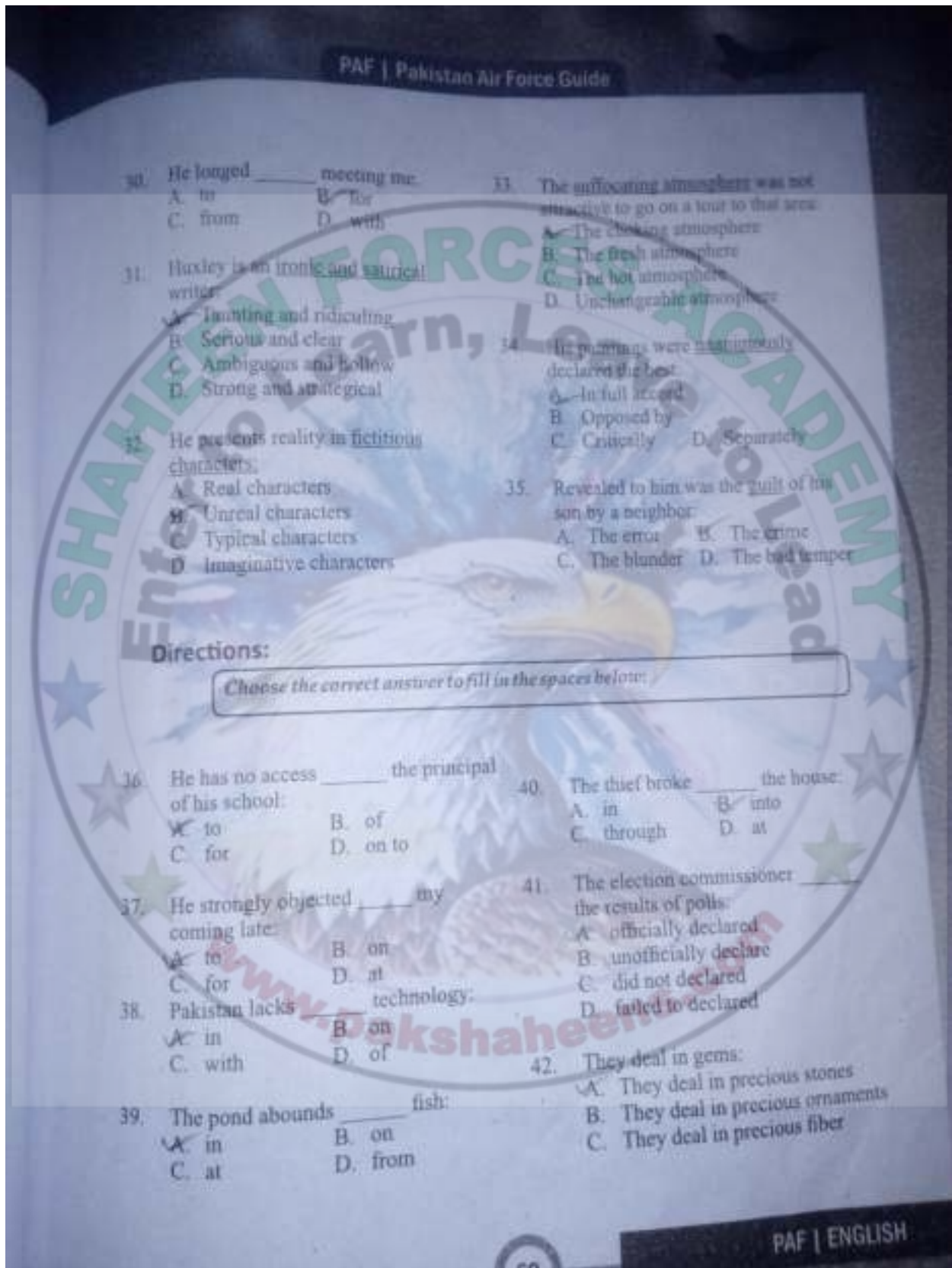
Directions:
Choose the correct answer from the choices given below closest in meaning to the original sentence / underlined words & phrases:

26. He was completely drenched in rain:
A. Entirely wet
B. Lightly soaked
C. Completely dry
D. Drowned

27. Those who terrorized his village were robbers:
A. Assaulted B. Defended
C. Supported D. Saved

28. How to get to the nearest post office?

29. He was utterly blind and ignorant for he knew nothing:
A. He was completely blind
B. He was half blind
C. He was unreasonably blind
D. He was not blind



Dogar's Testmaster

43. They deal in precious glass

44. The medicine has ceased to be effective.

45. His inquisitive mind is always restless.

46. Expired

47. Vanished

48. Turned colourless

49. Been stinking

50. His curious mind

51. His blocked mind

52. His retarded mind

53. His indifferent mind

Directions:

Choose the correct answer for each sentence.

45. This cloth is inferior _____ that one.

46. He took me _____ a thief.

47. Why should we not sympathize _____ them?

48. They have run short _____ money.

49. The gardener is looking _____ his plants.

50. Abide _____ the law.

ANSWER KEY

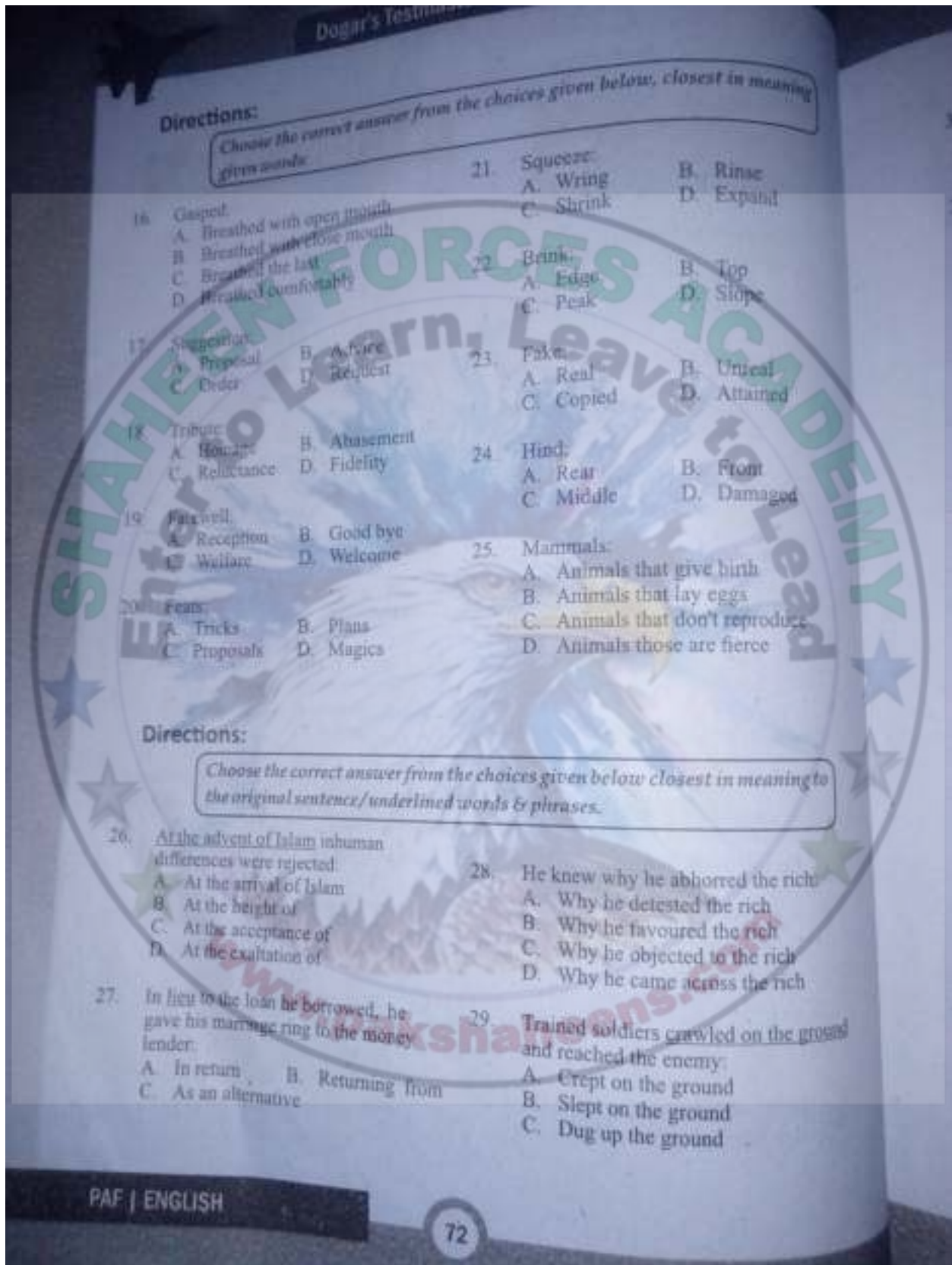
| | | | | |
|-------|-------|-------|-------|-------|
| 1. A | 2. C | 3. A | 4. B | 5. B |
| 6. A | 7. B | 8. A | 9. B | 10. A |
| 11. B | 12. B | 13. C | 14. A | 15. A |
| 16. A | 17. A | 18. A | 19. A | 20. A |
| 21. A | 22. A | 23. A | 24. A | 25. A |
| 26. A | 27. A | 28. A | 29. A | 30. B |
| 31. A | 32. B | 33. A | 34. A | 35. B |
| 36. A | 37. A | 38. A | 39. A | 40. B |
| 41. A | 42. A | 43. A | 44. A | 45. A |
| 46. D | 47. A | 48. C | 49. B | 50. B |

Directions:

Choose the correct answer from the choices given below each sentence.

PRACTICE TEST NO. 5

1. The more he learned _____ he served.
A. better B. the better C. the best D. the better
2. Nadeem is very soon going to be _____
A. employ B. employed C. to employ D. employing
3. He had scarcely crossed the road _____ the bus came.
A. then B. when C. before D. than
4. They had hardly reached their shelter _____ it rained.
A. then B. when C. before D. than
5. Aslam and Akram are painters; the _____ is the better.
A. the latter B. the later C. the letter D. the latter
6. He wanted to make him _____ an easy.
A. write B. wrote C. writing D. to write
7. _____ do you visit this place?
A. how often B. how oftenly C. how frequent D. how often
8. Drugs addiction _____ the mood and behavior of the addicts.
A. alters B. altering C. altered D. to alter
9. _____ he write these answers but also speak them.
A. not only can B. not only C. only not D. only not
10. The line is busy; someone _____ using telephone.
A. must B. must be C. is D. will be
11. The power failure remained _____ it was repaired.
A. as long as B. so long as C. unless D. as long as
12. He didn't go anywhere _____ his mother allows him.
A. as long as B. so long as C. unless D. as long as
13. The trees, uprooted by the windstorm, are _____ in the middle of the road.
A. lie B. lying C. lain D. laid
14. Heavy rains _____ the sea level.
A. rose B. raised C. raising D. rising
15. Would you please _____ make a noise?
A. not B. do not C. don't D. no



Pakistan Air Force Guide

30. She is not entitled _____ the prize.
A. to B. of C. with D. from

31. During subjugation, the Muslims remained backward.
A. while slavery B. while freedom C. while exile D. while imprisonment

32. Nationalistic fervor was witnessed during the match between Indian and Pakistan cricket teams.
A. Excitement B. Boredom C. Discrimination D. Trouble

33. Kashmir has been a bone of contention between India and Pakistan.
A. Cause of dispute B. Cause of harmony C. Cause of compromise D. Cause of peace

34. The police confiscated illicit arms.
A. The police found illegal weapons B. The police seized illegal weapons C. The police licensed illegal weapons D. The police produced before the court illicit arms

Directions:
Choose the correct answer to fill in the blanks below:

35. Who was held responsible _____ the loss?
A. of B. for C. to D. by

36. They are much inclined _____ arts.
A. to B. from C. for D. of

37. Please come _____ the room.
A. in B. to C. into D. onto

38. Those who laugh _____ others take insufficient stock of themselves.
A. at B. on C. to D. over

39. Herbal medication is very popular _____ the people of the third world.
A. with B. to C. for D. of

40. He is not capable _____ the job.
A. for B. of C. to D. with

41. If they failed me _____
A. I will agree B. I would agree C. I can agree D. I may agree

42. He is crying, he _____ broken his leg.
A. may be B. might have C. will have D. could have

43. He wishes that he _____ law when he was in the university.
A. would study B. would have studied C. could have studied D. studied

PAF | ENGLISH

Dogar's Test

44. There is _____ reason to worry about him.
A. not B. don't C. no

45. Some of the trees _____ dead.
A. are B. is C. was D. has been

46. One of my friends _____ Qasim.
A. is B. are C. am

47. No trees _____ overnight.
A. grow B. grows C. growing

48. You can take _____ of these two books.
A. any B. one C. either

49. _____ of the two towels is mine.
A. none B. not C. neither

50. He has two sons, Ahmed is _____.
A. taller B. the taller C. the tallest

ANSWER KEY

| | | | | | | | | | |
|-----|---|-----|---|-----|---|-----|---|-----|---|
| 1. | B | 11. | B | 21. | C | 31. | B | 41. | A |
| 2. | A | 12. | A | 22. | A | 32. | A | 42. | B |
| 3. | C | 13. | C | 23. | B | 33. | B | 43. | A |
| 4. | A | 14. | A | 24. | A | 34. | A | 44. | A |
| 5. | A | 15. | A | 25. | A | 35. | B | 45. | B |
| 6. | A | 16. | A | 26. | A | 36. | A | 46. | B |
| 7. | A | 17. | A | 27. | A | 37. | A | 47. | A |
| 8. | A | 18. | C | 28. | B | 38. | A | 48. | B |
| 9. | B | 19. | B | 29. | C | 39. | C | 49. | B |
| 10. | B | 20. | A | 30. | A | 40. | C | 50. | B |

Enter to learn, Leave to Lead

www.pakshaheens.com

Directions:

Choose the correct answer from the choices given below.

PRACTICE TEST NO. 6

1. He is _____ than before.
☒ A. happier B. more happy
☐ C. happy D. happiest
2. It is necessary to stop when the red signal _____.
☒ A. glows B. glowed
☐ C. glow D. glowing
3. His success was earned with _____ hard work.
☐ A. hard B. sheer
☐ C. heavy D. heavier
4. Irony and satire _____ the tone of this drama.
☐ A. are B. is
☐ C. am
5. He would have stumbled _____.
☒ A. If he had not taken a step back
☐ B. If he did not take step back
☐ C. If he not take step back
☐ D. If he would not take step back
6. They needn't _____ about this problem.
☒ A. worry B. worried
☐ C. worrying D. to worry
7. _____ his admission to this college he studied elsewhere.
☒ A. prior to B. early
☐ C. after D. later
8. There are very many _____ in the pointing.
☐ A. mouses B. mice
9. He climbed up and down _____ hill before he reached his destination.
☐ A. many a B. many
☐ C. much D. very many
10. The result is _____ that I can't control myself.
☒ A. so shocking
☐ B. very shocking
☐ C. very much shocking
☐ D. such shocking
11. It is necessary that all documents, in original, _____ submitted.
☐ A. are B. be
☐ C. to be D. are to be
12. _____ my experience is concerned.
☐ A. as regards B. as far as
☐ C. as much
13. He is living _____ as you are.
☐ A. as happily B. as happy
☐ C. as happier
14. His wallet lay _____ him.
☐ A. besides B. beside
☐ C. close
15. He sang so _____ that everyone admired.
☐ A. enthusiastic B. enthusiastically
☐ C. enthusiasm

Directions:
Choose the correct Synonyms:

16. Burrows:
☒ A. Tunnels made in grounds
 B. Buds
 C. Beds of plants
 D. Stems of plants

17. Voyage:
☒ A. Travel on sea
 B. Travel on land
 C. Travel in space

18. Indeed:
☒ A. Of course
 B. Essential
 C. Achievable
 D. Deed

19. Curious:
☒ A. Eager to know
 B. Tired of knowing
 C. Unfit to know
 D. Incapable of knowing

20. Specimens:
☒ A. Samples
 B. Designs

21. Merry:
 A. Married
 C. Gloomy
☒ B. Happy
 D. Frustrated

22. Fertile:
☒ A. Good for cultivation
 B. Bad for cultivation
 C. Uncultivable
 D. Unrich

23. Stretch:
☒ A. Expand
 C. Loosen
 B. Shrink
 D. Thicken

24. Odd:
☒ A. Strange
 C. Variable
 B. Favourable
 D. Soothing

25. Plough:
☒ A. Till soil
 C. Manure soil
 B. Water soil
 D. Look after soil

Directions:
Choose the correct answer from the choices given below closest in meaning to the original sentence/underlined words & phrases:

26. The witch vanished at once:
☒ A. The witch disappeared at once
 B. The witch appeared at once
 C. The witch giggled at once
 D. The witch cleaned at once

27. His fright resulted in nightmares:
☒ A. His fright caused nightmares
 B. His fright stopped nightmares

28. He was held captive by his rivals:
☒ A. He was taken as prisoner
 B. He was captivated by
 C. He was fascinated by
 D. He was held responsible by

Pakistan Air Force Guide

28. Religious scholars have agreed that the blunder of Adam was predestined.
☒ A. Preplanned B. Prehistoric
 C. Pretire D. Premature

29. He is studying cosmology.
☒ A. The study of cosmos
 B. The study of cosmetics
 C. The study of stars and planets
 D. The study of philosophy

30. They ridiculed him, however he spoke with them.
☒ A. They mocked him
 B. They admired him
 C. They tended him
 D. They compelled him

31. He fell down the roof his leg.
☒ A. his
 B. her
 C. its
 D. their

32. His leg was smashed.
☒ A. His leg broke into pieces
 B. His leg remained intact
 C. His leg was lightly fractured
 D. His leg was safe

33. Quacks are not qualified doctors:
☒ A. Herbal doctor
 B. Medical Physicians
 C. Surgeons
 D. Specialists

34. We look forward to rendering you service.
☒ A. We eagerly wait to serve you
 B. We look at you while service
 C. We come forward to service you
 D. We are already at your service

Directions:
 Choose the correct answer from the given choices to complete the sentence.

35. This ornament is studded _____ jewels.
☒ A. with B. from
 C. to D. for

36. Please recall _____ your mind those answers.
☒ A. to B. into
 C. of D. from

37. He mustered _____ his courage.
☒ A. up B. down
 C. over D. at

38. Please don't prevent me _____ doing good.
☒ A. from B. to
 C. of D. for

39. He wanted to get rid _____ his disease.
☒ A. from B. with
 C. of D. to

40. May God be pleased _____ you.
☒ A. with B. from
 C. to D. for

41. He likes _____.
☒ A. the music B. music
 C. a music

42. He has ten bars of _____.
☒ A. soap B. soaps
 C. the soaps

43. _____ ruins at a vast scale.
☒ A. a war B. the war
 C. war

Dogar's Test

44. This is _____ University of science.
☒ A. a B. an
☐ C. one

45. He bought _____ umbrella for fifty rupees.
☒ A. a B. one
☐ C. an

Directions:
 Choose the correct synonym.

46. Assassin
☒ A. Murderer B. Murdered
☐ C. Stain D. Killed

47. Relentless
☐ A. Merciful B. Merciless
☐ C. Kind D. Sympathetic

48. Extravagant
☒ A. Wasteful B. Meticulous

49. Elevated
☒ A. Uplifted B. Descended
☐ C. Abated D. Reduced

50. Malice
☐ A. Ill will B. Fidelity
☐ C. Loyalty D. Fair will

ANSWER KEY

| | | | | |
|-------|-------|-------|-------|-------|
| 1. A | 2. A | 3. A | 4. B | 5. A |
| 6. A | 7. A | 8. A | 9. B | 10. A |
| 11. B | 12. B | 13. A | 14. B | 15. B |
| 16. A | 17. A | 18. A | 19. A | 20. A |
| 21. A | 22. A | 23. A | 24. A | 25. A |
| 26. A | 27. A | 28. A | 29. A | 30. A |
| 31. A | 32. A | 33. A | 34. A | 35. A |
| 36. A | 37. A | 38. A | 39. C | 40. A |
| 41. A | 42. A | 43. C | 44. A | 45. A |
| 46. A | 47. B | 48. A | 49. A | 50. A |

Directions:
Choose the correct answer from the choices given below each sentence.

PRACTICE TEST NO. 7

1. However _____ they may behave, we will reform them.
A. rude ~~B. rudely~~
C. nice ~~D. nicely~~

2. She did _____ M.A. in English last year.
A. a ~~B. an~~
C. one ~~D. one~~

3. They passed _____ a dense forest at night.
~~A. through~~ B. thorough
C. from ~~D. from~~

4. He was advised _____
~~A. to abide by rules~~
B. to abide at rules
C. to abide with rules
D. to abide rules

5. The deeper he went, _____ his body became.
A. heavy B. the heavy
~~C. the heavier~~ D. heavier

6. If the sun rose at 5:30.
A. I will come B. I should come
~~C. I would come~~ D. I came

7. Since last Sunday he _____ badly sick.
A. is ~~B. was~~
C. has been ~~D. has been~~

8. Since when _____ working here?
A. are you ~~B. have you been~~
C. were you ~~D. have you been~~

9. His mother had hoped _____
~~A. That he would change his mind~~

10. In addition to _____ to the library, you should also study books at home.
A. go ~~B. going~~
C. goes ~~D. goes~~

11. The child has been missing _____
~~A. has not he~~ B. is he
C. was he ~~D. is he~~

12. Ten years ago, they _____ live in a village.
A. will ~~B. would~~
C. may ~~D. can~~

13. I would rather that he _____ to me.
~~A. came~~ B. come
C. coming ~~D. to come~~

14. She would rather _____ drink a Pepsi.
A. not B. no
C. don't ~~D. don't~~

15. The chairman with his wife and children _____ coming tonight.
A. are ~~B. is~~
C. will ~~D. can~~

16. They are envious _____ your success.
A. to ~~B. with~~
~~C. of~~ D. from

17. I am not familiar _____ him.
A. of ~~B. with~~
C. from ~~D. to~~

79

PAF | ENGLISH



PAF | Pakistan Air Force Guide

31. They saw that some tramps were standing there:
 A. They saw some vagabonds
 B. They saw some panderers
 C. They saw some magicians
 D. They saw some heaps

32. The meanings in this essay are obscure.
 A. Concealed B. Erased
 C. Disclosed D. Elucidated

33. His father patronized many charitable organizations.
 A. His father charred many
 B. His father obstructed
 C. His father financed
 D. His father agitated against

34. He is culpable for his brother's misdeed.
 A. He is blameworthy
 B. He is responsible
 C. He is entitled
 D. He is deserving

Directions:
 Fill in the blanks; choose the correct answer from the choices given below each sentence:

35. Who is annoyed _____ you?
 A. at B. with
 C. to D. of

36. They demanded of me _____ their rights.
 A. of B. for
 C. to D. on

37. He is badly suppressed _____ the burden of loan.
 A. by B. with
 C. from D. of

38. Why is she very much jealous _____ you?
 A. from B. of
 C. on D. for

39. He is eager _____ learn new things.
 A. to B. of
 C. on D. for

40. His mother forbids him _____ mingle with bad boys.
 A. to B. of
 C. from D. for

Directions:
 Choose the correct synonyms:

41. Stroke:
 A. Blow B. Knit
 C. Collide D. Smash

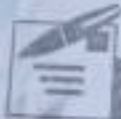
42. Rigorously:
 A. Strictly B. Pleasantly
 C. Lavishly D. Optimistically

43. Expensive:
A. Cheap
C. Roman
B. Dear
D. Sale
44. Eradicate:
A. Finish from root
B. Finish from top
45. Tune:
A. Manner
C. Drawing
B. Voice
D. Sculpture

Directions:

Choose the correct answer given below in each sentence closest in meaning to the original sentence.

46. We need to muster up men for the work.
A. We need to gather
B. We need to master
C. We need to develop
D. We need to acquire
47. Would you like cider?
A. Apple juice
B. Coke
C. Sour Milk
D. Milk
48. They were astounded to see the results:
A. Astonished to see
B. Scared to see
C. Furious to see
D. Annoyed to see
49. The Muslims would have had to live under the Hindus as perpetual political minority.
A. The Muslims would forcibly have lived
B. The Muslims would hardly live
C. The Muslims were minor in numbers to live
D. The Muslims did not consent to live
50. He is a callous person:
A. Insensitive
B. Indifferent
C. Irrational
D. Unreasonable



ANSWER KEY

| | | | | | | | | | |
|----|---|----|---|----|---|----|---|----|---|
| 1 | B | 2 | B | 3 | A | 4 | A | 5 | C |
| 6 | C | 7 | B | 8 | B | 9 | A | 10 | B |
| 11 | A | 12 | B | 13 | A | 14 | A | 15 | B |
| 16 | C | 17 | B | 18 | A | 19 | B | 20 | A |
| 21 | B | 22 | A | 23 | A | 24 | B | 25 | A |
| 26 | B | 27 | A | 28 | A | 29 | A | 30 | A |
| 31 | A | 32 | A | 33 | A | 34 | A | 35 | B |
| 36 | B | 37 | B | 38 | B | 39 | A | 40 | A |
| 41 | A | 42 | A | 43 | B | 44 | A | 45 | B |
| 46 | A | 47 | A | 48 | A | 49 | A | 50 | A |

Directions:

Choose the correct answer from the choices given below each sentence.

PRACTICE TEST NO. 8

1. He left it the half way, although the movie was.
☒ A. Interesting B. Interested C. Interest D. sewed
2. Do you mind if I _____?
☒ A. sit here B. eat here C. sitting here D. sewing
3. Why _____ very sad today?
☒ A. is he B. he is C. he D. so he is
4. Take _____ money as you want.
☒ A. as much B. as C. very much D. as many
5. Despite his sincere efforts for the organization during the last ten years,
☒ A. He is expelled out of the party
☒ B. He was expelled out of the party
☒ C. He has been expelling out of the party
☒ D. He should be expelling out of party
6. They told that he _____ come.
☒ A. may B. can C. will D. might
7. He says that _____ not fine.
☒ A. I am B. he is C. he was D. he will be
8. He got his suit _____.
☒ A. sewn B. sew
9. We are at the mercy of the river and
☒ A. so is he B. he is so C. so he is D. so rapidly
10. The population of Pakistan is increasing _____ as it had never increased before.
☒ A. as rapidly B. more rapidly C. rapidly D. so rapidly
11. He is young, he looks _____.
☒ A. smartly B. smart C. great
12. He emphasized that schooling of orphans _____ ensured.
☒ A. is B. be C. are
13. They look forward to _____.
☒ A. receive B. receiving C. received
14. He always delays _____ on time.
☒ A. come B. came C. coming D. to come
15. The judge postponed _____ the case.
☒ A. hear B. hearing C. heard

Directions:
Choose the correct answer from the choices given below that is the closest in meaning to the given words & phrases.

16. Alighted:
☒ A. Get down B. Rose
☐ C. Illuminated D. Decorated

17. Long:
☒ A. Dwell B. Perceive
☐ C. Persuade D. Delight

18. Suspect:
☐ A. Clarity B. Doubt
☐ C. Confess D. Inquire

19. Ember:
☐ A. Piece of burning wood
☐ B. Piece of soaked wood
☐ C. Piece of decorative wood

20. Squall:
☒ A. Short pitched voice
☐ B. Long pitched voice
☐ C. Rough voice
☐ D. Frightening Voice

21. Cuddle:
☒ A. Embrace B. Entice
☐ C. Captivate D. Charm

22. Howl:
☒ A. Growl B. Groom
☐ C. Neigh D. Crawl

23. Sovereign:
☒ A. Having highest power
☐ B. Having depended powers
☐ C. Having lowest power

24. Startle:
☒ A. Give a sudden shock
☐ B. Give a sudden threat
☐ C. Give a sudden proof

25. Stout:
☐ A. Strong B. Frail
☐ C. Decline

Directions:
Choose the correct sentence closest in meaning to the original sentence:

26. His exaggeration led to disillusionment.
☒ A. His exaggeration led to correct ideas
☐ B. His exaggeration led to clarity
☐ C. His exaggeration led to mistaken ideas
☐ D. His exaggeration led to complexity

27. The witch had the scarfiest face that I ever saw:
☒ A. The witch had the most surprising face
☐ B. The witch had the most frightening face
☐ C. The witch had the most fearful face
☐ D. The witch had the prettiest face

28. As long as a child remains in school, he looks sad.
☐ A. A child is sad when he is out of school
☐ B. A child is gloomy without school
☒ C. A child is sad as long as he is in school

PAF / ENGLISH

PAF | Pakistan Air Force Guide

school.
D. A child is sad to go to school

30. They put the scheme into jeopardy.
☒ A. They endangered the scheme
 B. They criticized the scheme
 C. They suspended the scheme
 D. They prolonged the scheme

31. An elephant in captivity is nearly 70 years of age:
 A. A wild elephant lives 70 years
☒ B. A domesticated elephant lives 70 years
 C. No elephant lives 70 years
 D. Elephant in the past lived 70 years

32. He extracted the gist of the novel:
☒ A. He took out the summary of the novel
 B. He enhanced the length of the novel
 C. He entirely read the novel
 D. He himself wrote the novel

33. The corpse was taken to cemetery:
☒ A. The dead body was taken to cemetery
 B. The egg was taken to cemetery
 C. The cat was taken to cemetery

34. Over-consumption makes things dear:
☒ A. Over-consumption makes things expensive
 B. Over-consumption makes things cheaper
 C. Over-consumption makes things easily achievable
 D. Over-consumption makes things unachievable

35. He is engrossed in his work:
☒ A. He is absorbed in his work
 B. He is entangled in his work
 C. He is complicated in his work
 D. He is uninterested in his work

Directions:
 Choose the correct answer from the choices given below for each sentence to fill in the blanks:

35. A small room is adjacent _____ my room.
☒ A. to B. from C. of D. for

36. They had to stay in the dark glades _____ many a night.
☒ A. for B. of C. with D. at

37. He is still unaware _____ the situation.
☒ A. from B. of C. on D. at

38. They met their friends a day _____ yesterday.
☒ A. of B. after C. before D. for

39. Hard work is the key _____ success.
☒ A. of B. to C. for D. with

40. I agree _____ this plan.
☒ A. with B. of C. to D. for

41. He resembles his father.
☒ A. looks like B. behaves like C. talks like D. walks like

42. They met their friends a day _____

42. The international trade has a
business personality.
A. just dealing
B. social dealing
C. medical dealing
D. medical dealing

43. The speed of sailing is impossible.
A. Unlikely
B. Unlikely
C. Unlikely
D. Unlikely

Directions:
Choose the correct answer from the choices given below for each sentence.
Fill in the spaces.

44. She is repeating _____ her lesson.
A. an
B. at
C. in
D. of

45. Refrain him _____ eating too the
pie.
A. from
B. of
C. with
D. by

46. Who is responsible _____ this
damage?
A. to
B. with
C. of
D. for

47. This matter is relevant _____ the
case.
A. of
B. to
C. with
D. for

48. She is not satisfied _____ the
progress.
A. by
B. with
C. at
D. from

49. This coat is similar _____ mine.
A. of
B. for
C. to
D. with

50. This matter is relevant _____ the
case.
A. of
B. to
C. with
D. for

ANSWER KEY

42. D
43. A
44. C
45. A
46. A
47. B
48. B
49. C
50. B



Pakistan Air Force Guide

Directions:
Choose the correct answer from the options given below for sentence.

PRACTICE TEST NO. 9

1. Within how many minutes would he catch the bus _____?
A. If he runs very fast.
☒ B. If he ran very fast.
C. If he is running very fast.
D. If he runs fast.

2. How _____ she want to prove herself innocent?
A. do B. does
C. is D. was

3. While he went to school on foot, he _____ many things in the way.
A. see B. saw
C. seen D. to see

4. They told that the weather _____ get worse.
☒ A. might B. may
C. can D. will

5. He prefers tea _____ coffee.
A. on B. from
☒ C. to D. with

6. He _____ absent since last Tuesday.
A. is B. was
☒ C. has been

7. She as well as her brothers _____ gentle.
A. are B. is
C. were

8. The boy requested him _____ him a _____.

9. I demanded that the new system _____ schematized.
A. is B. be
C. will be D. should be

10. _____ is the person who breaks the law?
A. whom B. who
C. which D. whose

11. Aslam, _____ they knew was a policeman, looked like a thief.
☒ A. who B. whom
C. whose D. which

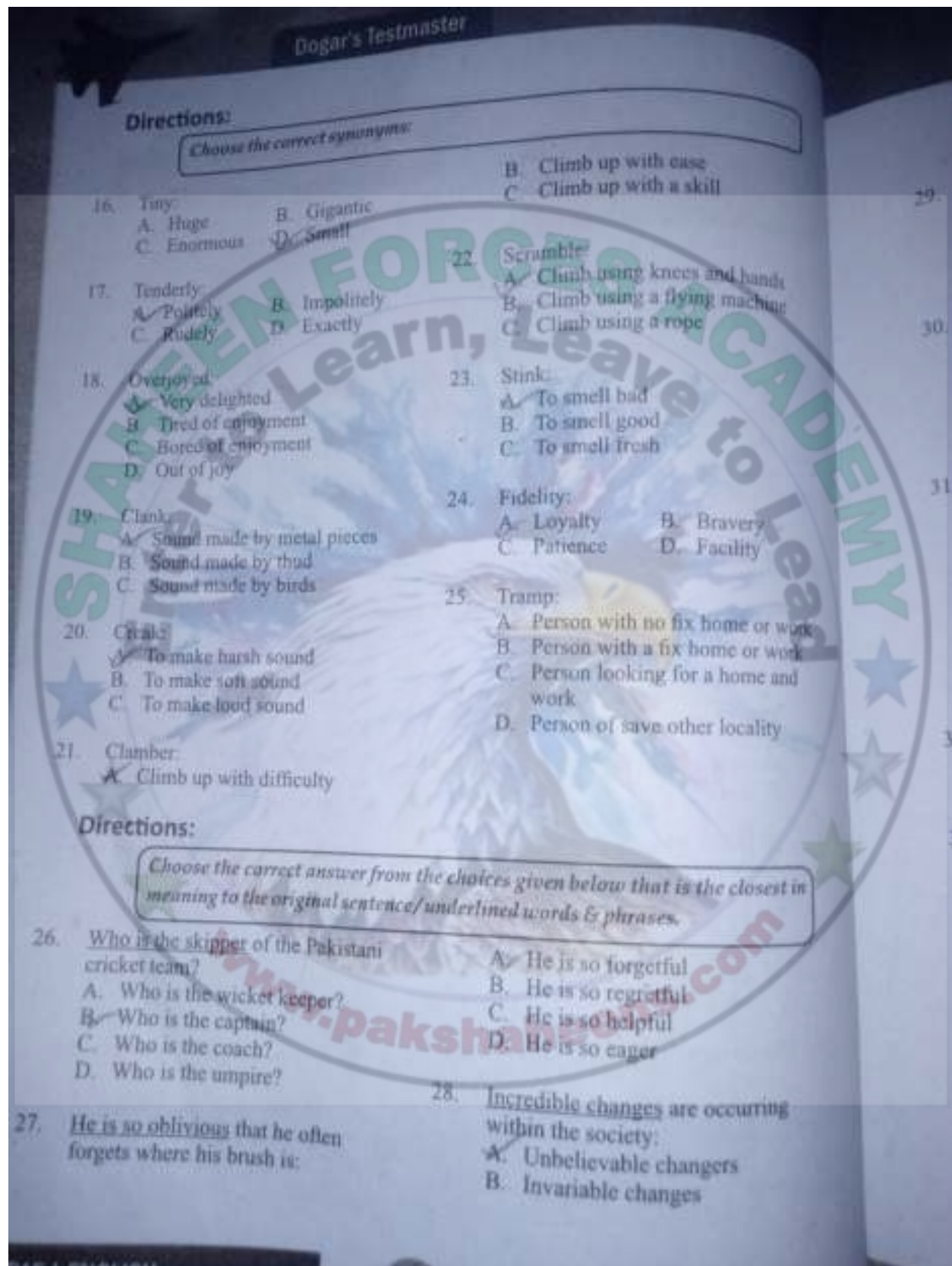
12. It is the building _____ rooms are spacious and airy.
☒ A. whose B. which
C. of which

13. He talks so _____ that everyone ayes.
A. awkward B. awkwardly
C. beautifully

14. You guard _____ I am asleep.
A. unless B. as long as
C. until

15. If Ehsan had helped I would not have _____ wander so much.
A. have to B. has to
☒ C. had to

PAF | ENGLISH



PAF | Pakistan Air Force Guide

C. Unpleasant changes
D. Uneven changes

28. He moved to and for:
A. He moved here and there
B. He moved up and down
C. He moved left and right
D. He moved nowhere

29. I went to felicitate him on his achievement:
A. I went to congratulate him
B. I went to facilitate him
C. I went to advice with him
D. I went to threaten him

30. Fetch me the table please:
A. Go and bring the table please
B. Bring me the table on return
C. Repair the table for me
D. Buy the table

32. She blushed so much that it was difficult to talk:
A. She was so shy
B. She was so obstinate
C. She was so talkative
D. She was so confused

33. Aslam is not as prudent as Guda:
A. As rude as
B. As civilized as
C. As moral as
D. As polite as

34. He implored the king to let him go:
A. He besought the king
B. He intimidated the king
C. He pleaded before the king
D. He commanded the king

Directions:
Choose the correct answer from the choices given below for each sentence to fill in the spaces.

35. They arrived _____ the station.
A. on B. at
C. over D. in

36. The old man enquired _____ me about my name.
A. to B. of
C. from

37. The sea diver jumped _____ the river.
A. in B. to
C. into D. on to

38. Please write _____ black ink.
A. in B. with
C. of D. to

39. _____ God we trust.
A. on B. in
C. with D. of

40. The bus collided _____ the truck.
A. to B. of
C. from D. with

41. They were accustomed to _____ to the mosque five times a day.
A. go B. going
C. went D. gone

42. We look forward to _____ the star.
A. meet B. met
C. meeting

Dogar's Testmaster

43. Inactive but also a liar.
☒ A. not only is he B. not only he is
 C. only not he

44. He knocked at the door, but nobody
☒ A. reply B. replied
 C. replying

45. In addition to _____ there we have
 many others tasks to perform.
 A. go B. went
 C. gone D. going

46. It is necessary that you _____
 Punctual.
 A. should be B. will be
 C. be D. can be

47. He _____ yesterday.
 A. has come B. come
☒ C. came

48. _____ this, there are many other names.
 A. beside B. be side
☒ C. besides

49. However _____ he is, he can find a
 way out.
☒ A. helpless B. helplessly
 C. helplessness

50. He would rather die than
 ignorant.
☒ A. remain B. remaining
 C. remains D. to Remain

ANSWER KEY

| | | | | |
|-------|-------|-------|-------|-------|
| 1. B | 2. B | 3. B | 4. A | 5. C |
| 6. C | 7. B | 8. B | 9. B | 10. B |
| 11. A | 12. A | 13. B | 14. B | 15. C |
| 16. D | 17. A | 18. A | 19. A | 20. A |
| 21. A | 22. A | 23. A | 24. A | 25. A |
| 26. B | 27. A | 28. A | 29. A | 30. A |
| 31. A | 32. A | 33. A | 34. A | 35. B |
| 36. B | 37. C | 38. A | 39. B | 40. D |
| 41. B | 42. C | 43. A | 44. B | 45. B |
| 46. C | 47. C | 48. C | 49. A | 50. A |

www.pakshaheens.com



Directions:

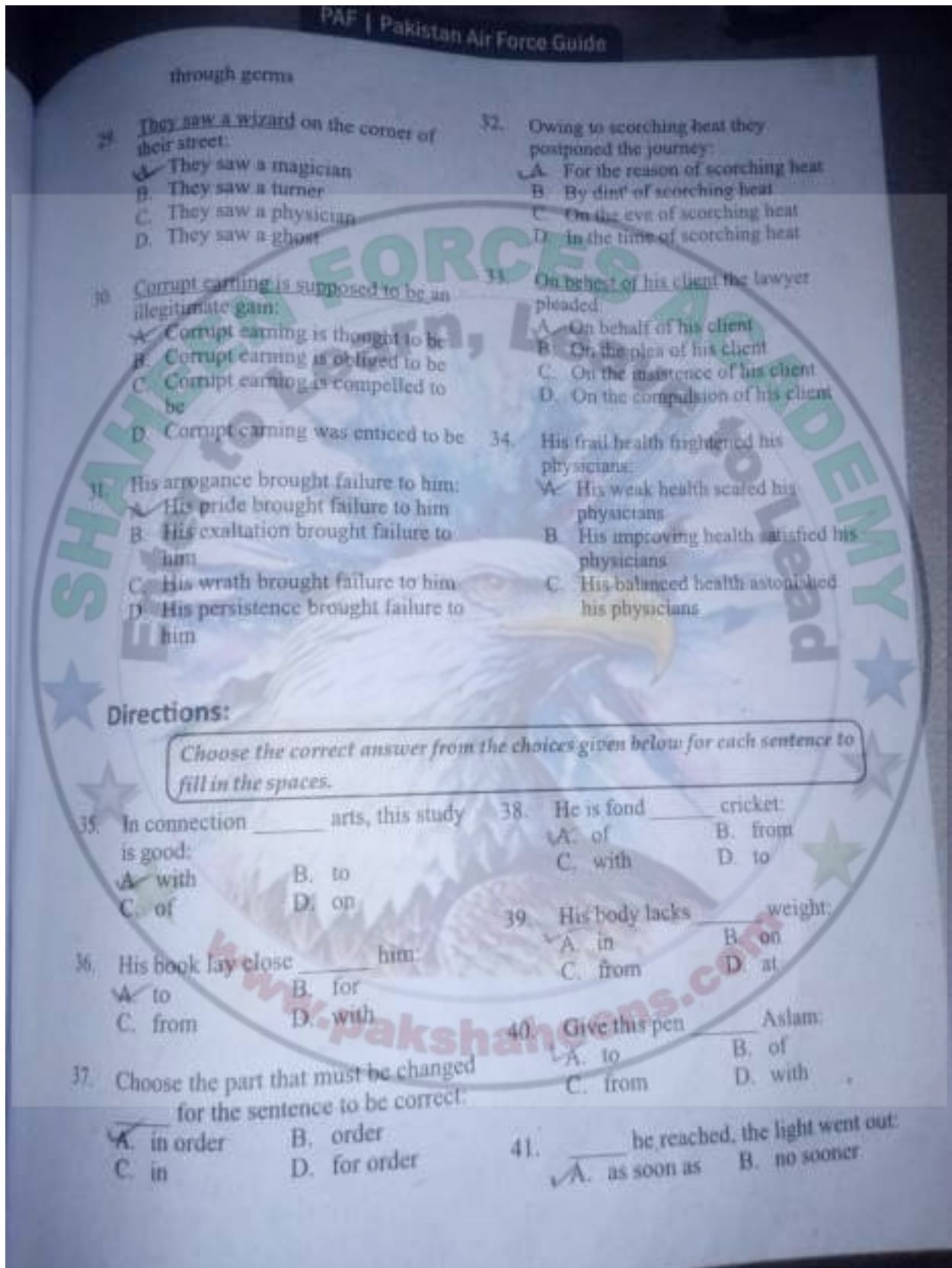
Choose the correct synonyms:

16. Boast:
☒ A. To speak proudly of something
 B. To show something proudly
 C. To lament something proudly
17. Evacuation:
☒ A. Rescue
 B. Imprisonment
 C. Confinement
 D. Elation
18. Mounted:
☒ A. Climbed up
 B. Climbed down
 C. Stayed
 D. Hanged
19. Distort:
☒ A. Deform
 B. Reform
 C. Improve
 D. Develop
20. Surplus:
☒ A. More than need
 B. Less than need
 C. To the need
 D. Unneeded
21. Hiss:
☒ A. Sound made by a snake
 B. Sound made by a sparrow
 C. Sound made by fox
 D. Sound made by trees
22. Niece:
☒ A. Brother's daughter
 B. Brother's son
 C. Sister in law
23. He is culpable for this mistake:
☒ A. He is blameworthy
 B. He is not be responsible
 C. He is the cause of
24. Revive:
☒ A. Enliven
 B. Distort
 C. Defame
 D. Bury
25. Forester:
☒ A. Bring up
 B. Bring down
 C. Bring forth

Directions:

Choose the correct answer from the choices given below closest in meaning to the original sentence/underlined words & phrases:

26. His mail accumulated in his absence:
☒ A. His mail piled up
 B. His mail deleted
 C. His mail was lost
 D. His mail forwarded
27. Despite persuasion, he remained reluctant:
☒ A. In spite of persuasion he was pleased
☒ B. In spite of persuasion he was annoyed
 C. In spite of persuasion he did not go
 D. He was not persuaded
28. The disease was infectious:
☒ A. The disease was curing
 B. The disease was confined only to the victims
 C. The disease was unprescribed
☒ D. The disease was spreading



Dogar's Testmaster

42. He was extremely _____ to meaningless talk.
 A. averse B. adversely C. neither D. since

43. Qasim as well as his friends _____ known to me.
 A. is B. are C. will D. can

44. The women _____ mourning over the loss of life for a long time.
 A. are B. were C. have been D. had been

45. He has done his work _____.
 A. Entire B. Entirely C. Neither D. None

46. Linger:
 A. Prolong B. Long C. Enliven D. Revive

47. Fatigue:
 A. Exhaust B. Enthusiasm C. Dullness D. Festivity

48. Applaud:
 A. Praise B. Criticism C. Neglection D. Deprivation

49. Humorous:
 A. Funny B. Sincere C. Earnest D. Cautious

50. Perfection:
 A. Skill B. The state of being small C. Voodoo D. Superstition

ANSWER KEY

| | | | | |
|-------|-------|-------|-------|-------|
| 1. A | 2. B | 3. B | 4. C | 5. A |
| 6. B | 7. B | 8. A | 9. A | 10. B |
| 11. A | 12. B | 13. A | 14. B | 15. C |
| 16. A | 17. A | 18. A | 19. A | 20. A |
| 21. A | 22. A | 23. A | 24. A | 25. A |
| 26. A | 27. B | 28. D | 29. A | 30. A |
| 31. A | 32. A | 33. A | 34. A | 35. A |
| 36. A | 37. A | 38. A | 39. A | 40. A |
| 41. A | 42. A | 43. A | 44. C | 45. B |
| 46. A | 47. A | 48. A | 49. A | 50. A |

Directions:

Choose the correct answer from the choices given below.

PRACTICE TEST NO. 11

1. Ten miles _____ a long distance.
A. are ☒ B. is
C. be
2. They are going to be _____ their positions.
A. deprive of B. depriving of
☒ C. deprived of
3. Those who talk _____ to children are often insulted by them.
A. harsh B. harshly
☒ C. harshness
4. He felt _____ when the doctor had given the medicine to him.
☒ A. good B. well
C. bitterly
5. This shirt is not the same colour _____ that one.
☒ A. as B. to
C. like
6. His coat is similar _____ my coat.
A. for ☒ B. to
C. as
7. His pen and my pen are _____.
A. like B. as such
☒ C. a like
8. He has gone to _____.
☒ A. get the shirt pressed
B. to get the shirt press
C. make the shirt press
D. to make the shirt pressed
9. However _____ you may strike, the lock cannot be broken.
A. forceful B. forcible
☒ C. forcefully
10. It is not as hot today as it was yesterday.
A. is it B. isn't it
C. was it D. wasn't it
11. He wants to _____ me help you.
A. get B. make
C. got D. made
12. I could extinguish the fire.
A. if he asks me
B. if he asked me
☒ C. if he had asked me
D. if he asking me
13. Fish is not _____ caught as it is assumed.
A. as easy B. as easily
☒ C. unconscious D. very easily
14. He slept _____ that the thief stole everything.
A. so unconscious
B. so unconsciously
☒ C. unconscious
15. He would restore peace and harmony if he _____ a ruler.
A. was B. is
☒ C. were D. has been

Directions:
Choose the correct synonym:

16. Detest:
☒ A. To abhor
 B. To accommodate
 C. To blame
 D. To relieve

17. Deterioration:
 A. Destruction
☒ B. Construction
 C. Renovation
 D. Reconstruction

18. Prostrate:
 A. To bow
 B. To straighten
 C. To lie
 D. To worship

19. Divinely:
☒ A. Heavenly
 B. Worldly
 C. Of nature
 D. Of science

20. Web:
☒ A. Net of thread
 B. A cluster of threads
 C. Complexity of thread

21. Reeds:
☒ A. Tall grass with hollow stems
 B. Tall tree with big leaves
 C. Tall shrub with yellow leaves

22. Meticulously:
☒ A. Gradually
 B. Uncivilized
 C. Suddenly
 D. Abruptly

23. Demons:
☒ A. Evil spirits
 B. Noble spirits
 C. Supernatural spirit

24. Crack:
 A. To break into pieces
 B. To break without pieces
☒ C. To remain intact
 D. To be durable

25. Giggle:
☒ A. To laugh
 B. To ensure
 C. To assure
 D. To tickle

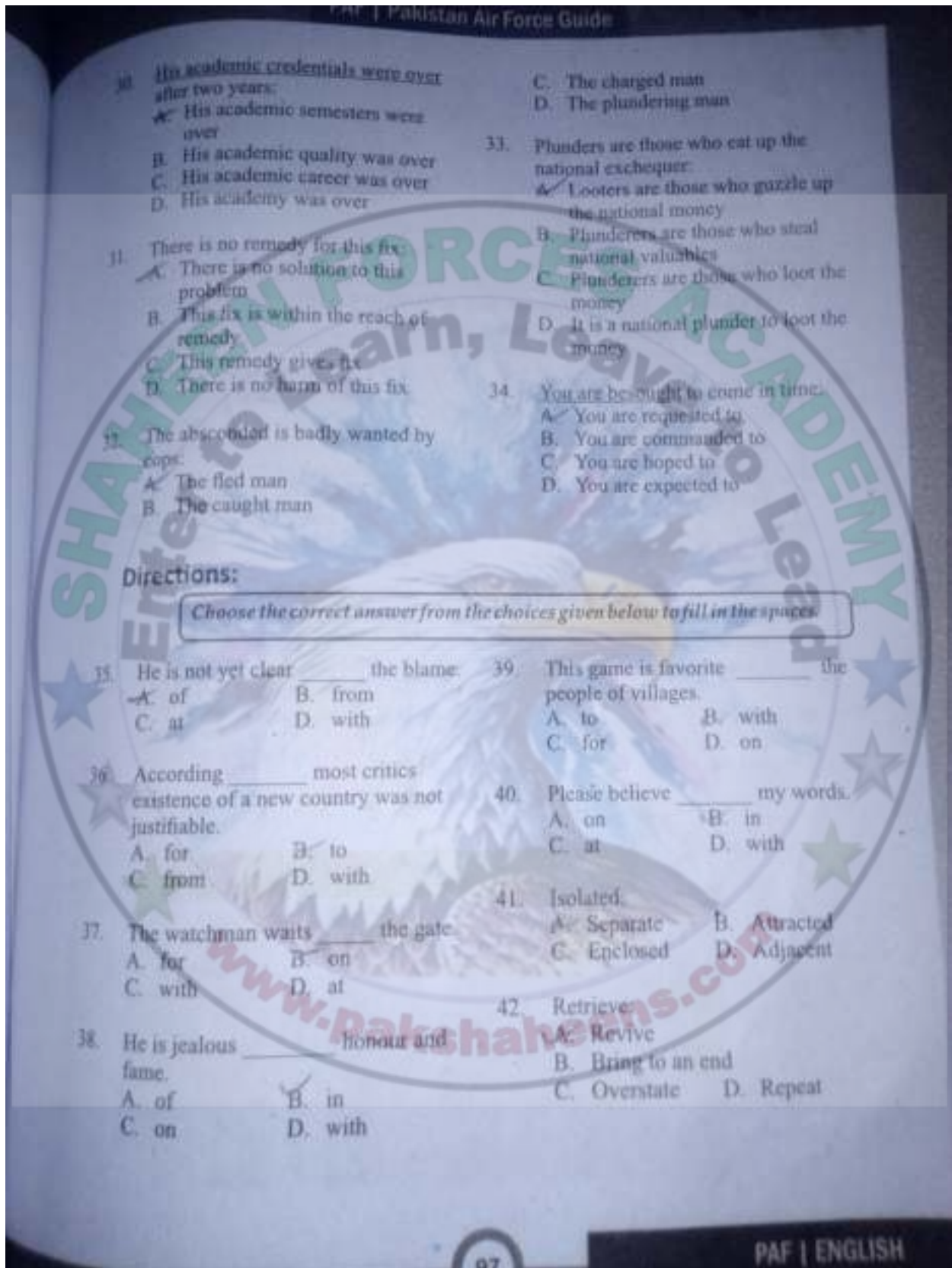
Directions:
Choose the correct answer from the choices given below that is the closest in meaning to the original sentence/underlined words & phrases.

26. To see me, he was taken aback:
☒ A. He was surprised
 B. He was bewildered
 C. He was maddened
 D. He was ridiculous

27. The victim was slain by a stranger:
☒ A. Murdered by a stranger
 B. Assassinated by a stranger
 C. Wounded by a stranger
 D. Abducted by a stranger

28. The price of warm clothes abates in summer:
 A. Lessens
☒ B. Rises
 C. Sustains
 D. Varies

29. Due to accidents, cars don't run as swiftly as new ones:
☒ A. Run as fast as
 B. Run as slowly as
 C. Run as smoothly as
 D. Run as forcefully as



43. Innumerable:
☒ A. Countless
 B. As defined by number
 C. Counted D. Quantity

44. Gigantic:
☒ A. Huge B. Tiny

45. Awful:
☒ A. Extremely bad and unpleasant
 B. Horrible
 C. Noisy D. Polluted

Directions:
 Choose the correct answer for each sentence that is closest in meaning to the original sentence from the choices given below.

46. They occasionally come across each other.
 A. They, sometimes come
 B. They, sometime come
 C. They some time come
 D. They scarcely come

47. Malaria has been known as an infectious disease.
 A. Carried by germs
 B. Uncarried by germs
 C. Controllable disease
 D. Incurable disease

48. As the course of life on the earth evolved there came severe storms of snow and wind:
 A. As life underwent evolution
 B. As life underwent revolution
 C. As life underwent fierce changes
 D. As life underwent sudden changes

49. Stay beyond the limits of one's wrath.
 A. Stay out of B. Stay within
 C. Stay around D. Stay to

50. The texture of her skin is as delicate as a rose petal.
 A. The surface of her skin
 B. The complexion of her skin
 C. The attraction of her skin
 D. The mildness of her skin

ANSWER KEY

| | | | | | | | | | |
|----|---|----|---|----|---|----|---|----|---|
| 1 | B | 11 | C | 21 | B | 31 | A | 41 | A |
| 2 | B | 12 | C | 22 | A | 32 | C | 42 | A |
| 3 | B | 13 | B | 23 | B | 33 | B | 43 | A |
| 4 | A | 14 | A | 24 | A | 34 | A | 44 | A |
| 5 | A | 15 | A | 25 | A | 35 | A | 45 | A |
| 6 | A | 16 | A | 26 | A | 36 | A | 46 | A |
| 7 | A | 17 | A | 27 | A | 37 | A | 47 | A |
| 8 | A | 18 | A | 28 | A | 38 | A | 48 | A |
| 9 | A | 19 | A | 29 | A | 39 | B | 49 | A |
| 10 | A | 20 | A | 30 | A | 40 | B | 50 | A |
| 11 | C | 21 | A | 31 | A | 41 | A | | |
| 12 | C | 22 | A | 32 | C | 42 | A | | |
| 13 | B | 23 | B | 33 | B | 43 | A | | |
| 14 | B | 24 | A | 34 | A | 44 | A | | |
| 15 | C | 25 | A | 35 | A | 45 | A | | |
| 16 | A | 26 | A | 36 | A | 46 | A | | |
| 17 | A | 27 | A | 37 | A | 47 | A | | |
| 18 | A | 28 | A | 38 | A | 48 | A | | |
| 19 | A | 29 | A | 39 | B | 49 | A | | |
| 20 | A | 30 | A | 40 | B | 50 | A | | |

Directions:

Choose the correct answer from the choices given below for each sentence.

PRACTICE TEST NO. 12

1. Why _____ attend the meeting?
☒ A. don't you B. you don't
 C. you do not
2. I know _____ attend the meeting.
☒ A. why you don't
 B. why don't you
 C. why do you not
3. Help him _____ you can.
 A. as much B. as much as
 C. as many as
4. Give him _____ books as you have.
 A. as B. so
☒ C. as many D. as much
5. Population is rising as _____ as never before.
 A. rapid B. rapidly
 C. more rapidly D. much rapidly
6. The colour of this shirt is the same _____ my shirt.
☒ A. as B. that
 C. which D. like
7. Their walking styles are _____.
 A. like B. such as
☒ C. similar D. similarly
8. He can't fly in the air and _____.
☒ A. neither can I
 B. i can't neither
 C. neither I
9. My family has reached the fair and _____.
☒ A. so has yours B. so yours
 C. yours has so
10. If you load with more burden _____.
☒ A. the cart will not move
 B. the cart would not move
 C. the cart could not move
 D. the cart might not move
11. It seems _____ to me.
☒ A. awkward B. awkwardly
 C. more awkwardly
12. The food we ate in the morning tasted _____.
☒ A. good B. well
 C. nicely D. finely
13. They want to _____ their house painted in summer.
 A. get B. got
 C. make D. made
14. Oblivion and weakness _____ his problems.
 A. are B. is
 C. be
15. They intend _____ a sports club.
 A. to join B. joining
 C. join

Directions:

Choose the word that specifies the meaning of the given word:

16. Cough:
☒ A. Make sound in the throat
 B. Make sound in the nose
 C. Make sound in the abdomen
17. Anxious:
☒ A. Restless
 B. Resting
 C. Relaxed
 D. Comforted
18. Perspiring:
☒ A. Sweating
 B. Cooling
 C. Evaporating
 D. Melting
19. Granary:
☒ A. A place to store grain
 B. A place to get grain
 C. A place having no grain
20. Borrowed:
☒ A. Got loan
 B. Lent
 C. Mortgaged
 D. Preserved
21. Multiracial:
☒ A. Of multi races
22. Felicitation:
☒ A. Congratulation
 B. Rejection
 C. Confusion
 D. Negation
23. Congregation:
☒ A. Gathering
 B. Disruption
 C. Separation
 D. Isolation
24. Mermaid:
☒ A. Imaginary water creature
 B. Real water creature
 C. Woman living under sea
 D. A whale
25. Negotiate:
☒ A. Dialogue to settle down issues
 B. Decline to talk
 C. Practices

Directions:

Choose the correct answer from the choices given below that is the closest in meaning to the original sentence/underlined words & phrases:

26. All members unanimously demanded for a strike against unjust increase in prices.
☒ A. In full accord
 B. Disputably
 C. partially
 D. Suddenly
27. He was badly bewildered by his enemy's attack.
☒ A. He was badly puzzled
28. The cataclysm resulted in a million deaths.
☒ A. Violent disaster
 B. The atomic research
 C. The evolution
 D. The ecological cycle
29. He was badly defeated.
☒ A. He was badly ruined
 B. He was badly trampled

28. He is so envious that he likes none as compared to himself.

- A. He is so jealous
- B. He is so prodigal
- C. He is so callous
- D. He is so flattering

30. The row sowed the seed of untold upheavals:

- A. Unexpected dangers
- B. Expected jeopardy
- C. Predicted ruin
- D. Huge damage

31. Despite the hard bustling, he lost his position:

- A. Despite hard endeavour
- B. Instead of hard bustling
- C. Owing to hard attempt
- D. By dint of severe labour

32. Dinosaurs have become extinct:
A. Have disappeared from the face of earth

- B. Have evolved along with other species
- C. Have been frozen in ice
- D. Have never lived

33. His sexual instinct enticed him to commit the sin.

- A. Provoked him
- B. persuaded him
- C. Implored him
- D. Made him

34. His character is above board:

- A. His character is dubious
- B. His character is doubtful
- C. His character is neat and clean
- D. His character is misty

Directions:

Choose the correct answer from the given choices to fill in the blank:

35. Who are you looking _____ ?

- A. for
- B. down
- C. of
- D. on

- A. to
- B. from
- C. for
- D. with

36. He lied _____ me.

- A. to
- B. with
- C. at
- D. by

40. In connection _____ studies, they are bringing about changes.

- A. of
- B. to
- C. for
- D. with

37. He was wrestling _____ a lion.

- A. to
- B. with
- C. of
- D. against

41. Why is he indifferent to his failing health?

- A. Careless
- B. Ignorant
- C. Unaware
- D. Callous

38. The bus collided _____ a truck.

- A. with
- B. to
- C. of
- D. by

42. The fire was put out after great efforts:

- A. Was extinguished
- B. Was controlled

39. He is junior _____ me.

Degar's Testmaster

43. Get off my back.
 A. Abandon me B. Adopt me
 C. Accompany me D. Facilitate me

44. Cure of fetal disease is still out of acquisition.
 A. Out of reach B. Out of sight
 C. Out of mind D. Out of thought

Directions:
 Choose the correct answer from the choices given below to fill in the spaces:

45. He was warned _____ dangers.
 A. to B. with
 C. by D. of

46. They used _____ live in a village.
 A. for B. of
 C. to D. at

47. Don't you trust _____ God?
 A. in B. on
 C. at D. of

48. He is badly tried _____ the work.
 A. of B. to
 C. with D. from

49. Aslam is unfit _____ the match.
 A. of B. for
 C. at D. on

50. Act _____ this advice.
 A. in B. upon
 C. to D. by

ANSWER KEY

| | | | | | |
|-------|-------|-------|-------|-------|-------|
| 1. A | 2. B | 3. A | 4. B | 5. C | 6. B |
| 7. A | 8. C | 9. A | 10. A | 11. A | 12. A |
| 13. A | 14. A | 15. A | 16. A | 17. A | 18. A |
| 19. A | 20. A | 21. A | 22. A | 23. A | 24. A |
| 25. A | 26. A | 27. A | 28. A | 29. A | 30. A |
| 31. A | 32. A | 33. A | 34. A | 35. C | 36. A |
| 37. A | 38. B | 39. A | 40. A | 41. A | 42. A |
| 43. C | 44. A | 45. A | 46. A | 47. A | 48. A |
| 49. B | 50. B | | | | |

Directions:

Choose the correct answer from the options given below for each sentence.

PRACTICE TEST NO. 13

1. If they insisted,
 A. father may permit them
 B. father might permit them
 C. father can permit them
 D. father permits them
2. The weather is _____ for outing.
 A. enough good B. too good
 C. good enough D. too enough
3. She would rather be alone _____
 talk to him.
 A. than B. to
 C. from D. then
4. I'll tell you how you can reach there
 _____ how you can convince him and
 how you can win his favours.
 A. : B. ;
 C. : D. then
5. He is _____ his studies.
 A. to complete B. complete
 C. to completing
6. His farm house is _____ than their
 farm house.
 A. farer B. further
 C. farther D. farthest
7. The slower his speed is the _____ he
 will reach.
 A. late B. latest
 C. later
8. The tea is _____ hot to drink.
9. The house is _____ for us to live.
 A. big enough B. enough big
 C. so big
10. _____ is a divine virtue.
 A. the love B. love
 C. a love
11. He has such books _____ the Bible
 and the Holy Quran.
 A. that B. as
 C. which D. who
12. They don't mind _____ for things
 of needs.
 A. to ask B. asking
 C. asked D. none of these
13. Pakistan is an independent country
 and.
 A. so is India B. India is so
 C. so India D. so India is
14. He was passing by, he _____
 something but couldn't understand
 what it meant.
 A. heard B. listened
 C. hearing D. listening
15. His thought flew _____ than an
 aeroplane.
 A. highly B. high
 C. higher D. highest

Dogar's Testmaster

Directions:
Choose the correct synonym:

| | |
|---|--|
| 16. Insufficient: A. Not enough B. More than enough C. Surplus D. Unrequired | 21. Frighten: A. Scare C. Paralyze B. Haunt D. Examine |
| 17. Trivial: A. Unimportant B. Undisputed C. Extraordinary D. Unrequired | 22. Wrap: A. Enfold C. Loosen B. Straighten D. Tighten |
| 18. Penance: A. Repentance C. Ridicule B. Abasement D. Pitilessness | 23. Sensation: A. Feeling C. Expectation B. Desire D. Anticipation |
| 19. Solemnly: A. Seriously C. Conscientiously B. Consciously D. None of these | 24. Tolerable: A. Founded C. Desirable B. Bearable D. Appreciable |
| 20. Shun: A. Avoid B. Adopt | 25. Accustomed: A. Used to C. Seared of B. Fed up D. Deprived of |

Directions:
Choose the correct answer from the choices given below in each sentence that is closest in meaning to the original sentence/underlined word & phrases:

| | |
|---|---|
| 26. This rod is the same length as that one: A. This rod is of a different size from that B. This rod is nearly like that rod C. This rod and that rod are alike in length D. This rod is somewhat varied | 27. They are his real sons but his <u>beneficiary</u> was declared his servant: A. The person who receives the money as willed by deceased B. The person who took the benefit C. The person who tended the ailed D. The person who was a benefactor |
| 28. The project is <u>segmented</u> : A. Divided into parts B. Intact C. Integral D. Unintegral | |



Dogar's Testmaster

Directions:
Choose the correct answer from the choices given below.

41. He _____ the fact that he had been a close companion of the victim.
A. refused B. denied
C. refusing D. none of these

42. This is not arrogance, it is a sense of _____.
A. to be proud B. pride
C. proud D. none of these

43. He _____ his cigarette and went to bed.
A. extinguished B. smoke
C. throw away D. none of these

44. It is _____ that leads you astray.
A. evance B. honesty
C. fidelity D. none of these

45. Animals are also in the _____ of displaying love.
A. addiction B. habit
C. tradition D. none of these

46. _____ reform can make Pakistan _____.

47. He _____ his strength to wrestle with the rival professional.
A. mustered up B. invisibly spent
C. gave away D. none of these

48. He is a very good student, _____.
A. he obeys his teachers
B. he obeys his parents
C. he obeys his grandparents
D. he obeys none

49. He believes in the _____ that man is a social beast.
A. theory B. philosophy
C. tragedy D. fabrication

50. It is _____ hot that we cannot enjoy the walk.
A. so B. very
C. too D. enough

ANSWER KEY

| | | | | | | | | | |
|----|---|----|---|----|---|----|---|----|---|
| 1 | A | 11 | B | 21 | A | 31 | A | 41 | B |
| 2 | C | 12 | C | 22 | A | 32 | A | 42 | B |
| 3 | B | 13 | A | 23 | A | 33 | A | 43 | A |
| 4 | D | 14 | A | 24 | A | 34 | A | 44 | C |
| 5 | A | 15 | A | 25 | A | 35 | A | 45 | A |
| 6 | B | 16 | A | 26 | A | 36 | B | 46 | A |
| 7 | C | 17 | A | 27 | A | 37 | A | | |
| 8 | D | 18 | A | 28 | A | 38 | A | | |
| 9 | A | 19 | A | 29 | A | 39 | B | | |
| 10 | B | 20 | A | 30 | B | 40 | D | | |
| | | | | 31 | A | 41 | B | | |
| | | | | 32 | A | 42 | B | | |
| | | | | 33 | A | 43 | B | | |
| | | | | 34 | A | 44 | C | | |
| | | | | 35 | A | 45 | A | | |
| | | | | 36 | B | 46 | A | | |

Directions:

Choose the correct answer from the choices given below for each sentence.

PRACTICE TEST NO. 14

1. The dress needs _____ before it is worn.
A. mend B. mending
C. mended D. to mend
2. It was said, long ago, that a buried treasure _____ taken out by them.
A. has been B. have been
C. had been D. none of these
3. We have _____ in this city for ten years.
A. live B. lived
C. living D. none of these
4. The 9th class _____ to class No. 10.
A. has been changed
B. has change
C. has to changed
D. none of these
5. He has _____ by the people.
A. elected B. been elected
C. be elected D. none of these
6. They had hoped that she _____ know about it.
A. cannot B. will not
C. would not D. may not
7. He is late _____.
A. is not he B. was not he
C. has not he D. cannot he
8. I ought to complain against him _____.
A. shall not I B. should I not
C. must not I D. none of these
9. The weather is good. _____ will go out.
A. Qasim and I B. I and Qasim
C. Qasim, I D. None of these
10. She has blamed _____ especially you and _____ for the accident.
A. me B. her
C. my D. mine
11. This car drops Nadeem and _____ at school.
A. the B. her
C. hers D. none of these
12. _____ and I need to reach a conclusion.
A. me B. you
C. my D. mine
13. He always helps _____ and my brother in our studies.
A. I B. me
C. mine D. none of these
14. Do these rocks have precious metals _____?
A. beneath their B. beneath them
C. beneath its D. none of these
15. He would appreciate _____ letting Qasim stay here.
A. you B. your
C. yours D. none of these

Directions:
Choose the correct synonym:

16. Jolt: A. Jerk B. Threat C. Caution D. Wearing

17. Determination: A. Resolution B. Evolution C. Revolution D. Intuition

18. Tigid: A. Muddy B. Clean C. Evaporated D. Set aside

19. Perpetually: A. Permanently B. Interruptedly C. Alternately D. Consecutively

20. Multitude: A. Huge number B. Huge size C. Huge volume D. Huge magnitude

21. Exclusively: A. Wholly solely B. Unindependently C. Exaggeratedly D. Readily

22. Merely: A. Only B. Scarcely C. Rarely D. Evidently

23. Thieves easily flee before police is aware: A. Thieves easily escape B. Thieves easily look forward C. Thieves easily on look D. Thieves easily break into

24. All the rest: A. All remaining B. All consumed C. All lost D. All buried

25. Stimulate: A. Arouse B. Instigate C. Dominate D. Rare

Directions:
Choose the correct answer from the choices given below that is the closest in meaning to the original sentence/underlined words & phrases:

26. The sudden death of his father caused him anguish. A. Caused him pain B. Caused him gain C. Caused him retardation D. Sever coma

27. The president is addressing the marshals today. A. The law officers B. The municipality officer C. Inspectors D. Generals

28. He laid much emphasis on the education of children: A. He laid much stress B. He laid much objection C. He laid much criticism D. He laid much burden

PAF | Pakistan Air Force Guide

29. His voice was audible:
☒ A. Was able to be heard
 B. Was unable to be heard
 C. Was never heard
 D. Was ever heard

30. They penetrated a danger zone:
☒ A. They entered a danger zone
 B. They fled a danger zone
 C. They inhabited a danger zone
 D. They made a danger zone

31. Who can foretell the weather accurately?
☒ A. Predict B. Contradict
 C. Foresee D. Argue

32. There are certain variations that occur to it:
☒ A. Certain changes that occur to it
 B. Certain damages that occur to it

33. When he made the blunder, all were asleep:
☒ A. Made the discovery
 B. Made the mistake
 C. Made the confession
 D. Made the assignment

34. The criminal's accomplices are being traced:
☒ A. The people who helped the criminal
 B. The people who instigated the criminal
 C. The people who caught the criminal
 D. The people who informed about the criminal

Directions:
 Choose the correct answer from the given choices:

35. His impartial judgment was made clear _____ his relatives.
☒ A. to B. with
 C. for D. of

36. He parted _____ his friends after their disagreement.
☒ A. to B. for
 C. from D. with

37. He cannot part _____ the photograph of his late father.
☒ A. to B. with
 C. from D. of

38. A strange thought occurred _____ him.
☒ A. by B. of
 C. to D. for

39. He has no objection _____ my scheme.
☒ A. to B. with
 C. for D. of

40. He is notorious _____ his crimes.
☒ A. for B. from
 C. with D. by

41. He fell ill _____ a fatal disease.
☒ A. for B. from
 C. with D. by

Dogar's Testmaster

42. He was severely _____ yet survived.
 A. Wounded B. Slain
 C. Assassinated D. None of these

43. _____ is the course of life.
 A. Destiny B. Still
 C. Destination D. None of these

44. His death was the result of a cardiac
 A. Arrest B. Continuation
 C. Sink D. None of these

45. Houses are made of brick, _____ are made of hearts.
 A. Palaces B. Homes
 C. Mansions D. Slings

Directions:
 Choose the correct synonyms:

46. Coast
 A. Shore B. Canal
 C. Lake D. Ocean

47. Magnificence
 A. Splendor B. Wrath
 C. Wreckage D. Decline

48. Complexion
 A. Colour of skin

49. Inclined
 A. Tending B. Attending
 C. Opposing D. Varying

50. Barren
 A. Infertile B. Fertile
 C. Cultivable D. Dry

ANSWER KEY

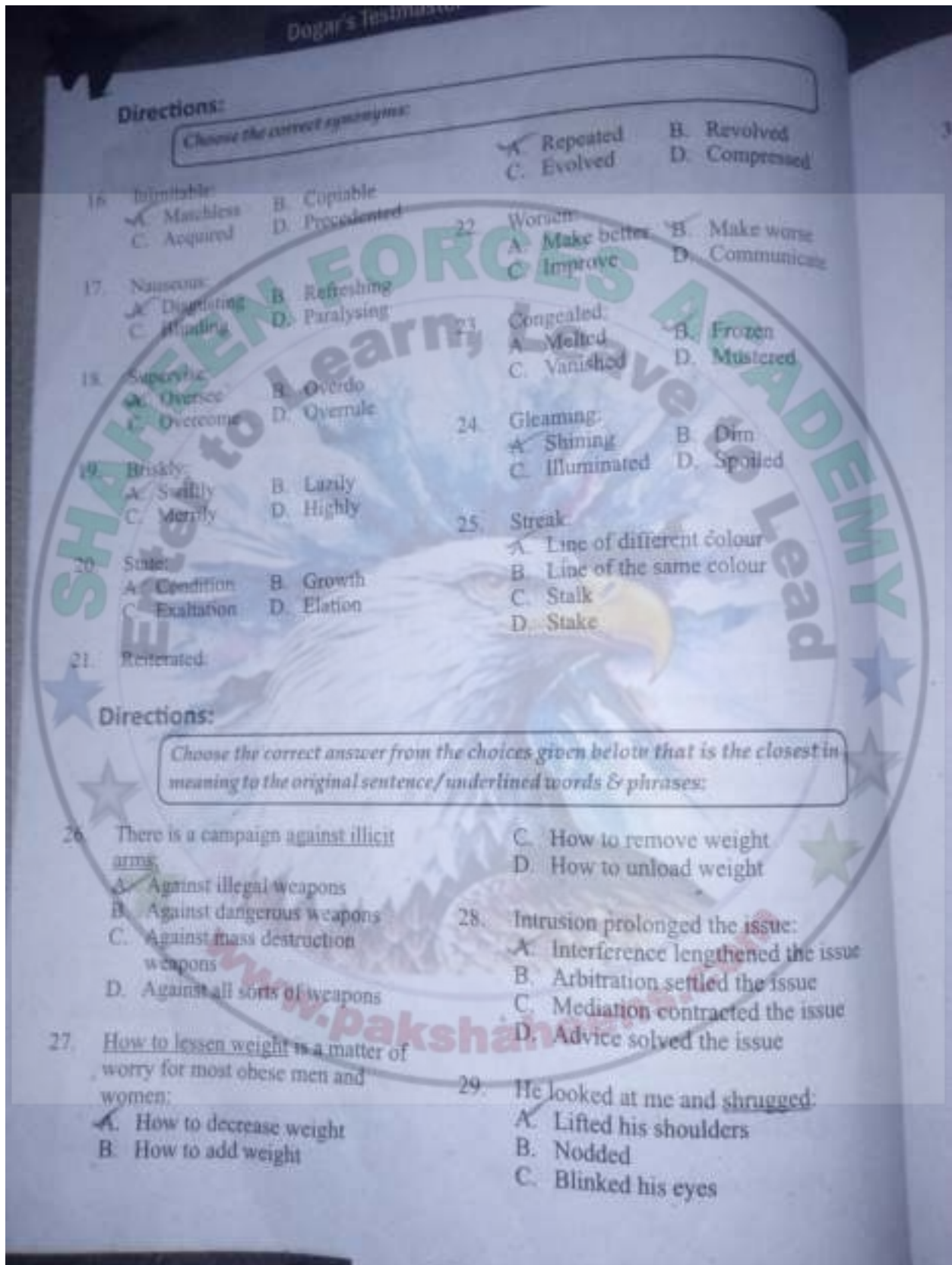
| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1. A | 2. B | 3. C | 4. B | 5. A | 6. A | 7. A | 8. B | 9. A | 10. B |
| 11. B | 12. A | 13. A | 14. B | 15. A | 16. C | 17. B | 18. A | 19. A | 20. A |
| 21. A | 22. A | 23. A | 24. A | 25. A | 26. C | 27. B | 28. A | 29. A | 30. A |
| 31. A | 32. A | 33. A | 34. B | 35. C | 36. B | 37. A | 38. A | 39. A | 40. A |
| 41. B | 42. A | 43. A | 44. A | 45. B | 46. A | 47. A | 48. A | 49. A | 50. A |

Directions:
Choose the correct answer to fill in the blanks.

PRACTICE TEST NO. 15

- It is important that applications should _____ processed within a fortnight:
A. Are B. Be C. Will be D. Can be
- It is essential for him to _____ a driving license.
A. Has B. Have C. Had D. Will have
- He eats apples _____ fit.
A. Be B. To be C. For be D. None of these
- The bill has already _____ by Nadeem:
A. Paid B. Been paid C. Being paid D. Be paid
- It is believed that a black cat, if, passes ahead, _____ bad luck:
A. Bringing B. Brought C. Bring D. Brings
- Last year, he _____ come to see me.
A. Will have B. Must have C. Will D. Can
- We had hoped _____ longer.
A. Him staying B. That he will stay C. That he can stay D. That he would stay
- He promised that he _____ help me:
- He owes me a hundred rupees _____.
A. Don't he B. Does he not C. Is not he D. None of these
- I noted the points _____ it?
A. Don't B. Am not C. Did not D. None of these
- He's done his work, _____.
A. Is not he B. Has not he C. Had not he D. None of these
- They would leave tomorrow, _____.
A. Will they not B. Would not they C. Should not they D. None of these
- He could not talk any more because the phone _____.
A. Ringing B. Ring C. Was ringing D. Has been ringing
- Did he know that it was _____ who broke the law?
A. They B. Them C. Their D. None of these
- It was _____ whom he wanted to marry:
A. She B. Her C. Hers D. None of these

PAF | ENGLISH



D. Tumbled

30. Some imminent changes are being opposed:
 A. About to occur
 B. Unexpected to occur
 C. Miraculously occur
 D. Bad to occur

31. Famine in Africa claimed millions of lives:
 A. Starvation in Africa
 B. Earthquakes in Africa
 C. Tornados in Africa
 D. Heavy rains

32. Who is menacing you?
 A. Threatening you

33. The method for water cleansing is very easy:
 A. Water purification method
 B. Getting contaminated water
 C. Boiling water
 D. Water freezing

34. He was arrested on the charge of treason:
 A. the charge of rebellion
 B. the charge of plunder
 C. the charge of assassination
 D. the charge of robbery

Directions:
 Choose the correct answer from the choices given below for each sentence to fill in the spaces:

35. He is true _____ his friends:
 A. To B. For
 C. With D. Of

36. They deceived him by tampering _____ his signature:
 A. Of B. With
 C. For D. About

37. You should subscribe _____ a good journal:
 A. To B. Of
 C. For D. With

38. He is sick _____ his noise:
 A. Of B. For
 C. With D. By

39. Why do you worry _____ him?

40. Think _____ God and be kind:
 A. For B. Of
 C. With D. At

41. Desolate:
 A. Deserted B. Encouraging
 C. Strengthening
 D. None of these

42. Inapplicable:
 A. Irrelevant B. Concerned
 C. Attached D. Justifiable

43. Wakefulness:
 A. Consciousness
 B. Slumber

43. Unconsciousness
D. None of these

44. Causal
A. Coincidental B. Usual
C. Causative D. None of these

45. Immense
A. Tremendous B. Tiny
C. Insufficient D. Inactive

Directions:
Choose the correct answer from the choices given below that is the closest in meaning to the original sentence.

46. His aversion is lamentable.
A. His temptation is lamentable
B. His behavior is lamentable
C. His character is lamentable
D. His performance is lamentable

47. He showed, being religious high fidelity.
A. High loyalty B. High honesty
C. High responsibility
D. High eligibility

48. Passengers were evacuated by the guards.
A. Rescued by B. Found out by
C. Neglected by D. Informed by

49. Psychologists can help you to elucidate hidden feelings:
A. How to inspire
B. How to reveal
C. How to illuminate
D. How to eradicate

50. The hall was jam packed:
A. The hall was empty
B. The hall was entirely filled
C. The hall was largely occupied
D. The hall was Vacated

ANSWER KEY

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1. B | 2. B | 3. B | 4. B | 5. B | 6. B | 7. B | 8. B | 9. B | 10. C |
| 11. B | 12. B | 13. B | 14. B | 15. A | 16. A | 17. A | 18. A | 19. A | 20. A |
| 21. A | 22. A | 23. A | 24. A | 25. A | 26. A | 27. A | 28. A | 29. A | 30. A |
| 31. A | 32. A | 33. A | 34. A | 35. A | 36. A | 37. A | 38. A | 39. A | 40. B |
| 41. A | 42. A | 43. A | 44. A | 45. A | 46. A | 47. A | 48. A | 49. B | 50. B |



For Free Practice visit
<https://www.pakshaheens.com/quizzes/> & for Test Pattern visit
<https://tutorials.pakshaheens.com/>
For Physical Classes Join Shaheen
Forces Academy, Rawalpindi
(0334-8480890)