



## E-Testing

1. PAF has introduced e-Testing programme for the selection of officers in various Branches of Pakistan Air Force. Initially intelligence and Academic Test are administered through e-Testing; however, we are planning to extend this project to assess the personality of candidates as well. Candidates would undergo e-Testing according to the modern system of selection. The computer literate candidates would have slight edge over the candidates who do not have any exposure to computer.

### Procedure of e-Testing

2. When the candidates report to the I & S Centre for the tests, they will find a computer ready for e-Testing. All the instructions will be displayed on the computer screen alongwith some examples. The instruction are as follows:
  - (a) It is an easy and short test to find out how quickly and accurately you can answer a series of simple questions in specified time limit.
  - (b) All questions have five options as A, B, C, D, & E. You are required to click on the most appropriate answer.
  - (c) It is necessary to pass every subject in the Academic Tests.
  - (d) You will be given a separate blank sheet for your rough work. You will submit the same at the end of test to the invigilator.
  - (e) **Method to Correct your option:-** If you want to correct your answer which you think is the right option, click it which would remove the previous option.
3. After instructions, some examples are displayed on the screen to make you clear about the nature of the tests, so try to understand the examples. After that, actual test would be administered.

### Intelligence Test

4. This test consists of 100 questions and there will be no negative marking in this test. Your success in this test depends upon the number of questions you attempt correctly.



# SAMPLE INTELLIGENCE TEST

## Method of Solving Questions on Computer

The intelligence test will be started with the appearance of the screen given below:-

The screenshot shows a software interface titled "PAF E-INDUCTION SYSTEM". At the top, there is a header bar with a registration number "X999-99-9999" and a question number "3". Below this, there is a section for "TIME REMAINING" (99:99) and "TOTAL QUESTIONS" (7). The main area contains a list of five possible answers labeled A, B, C, D, and E, each with a radio button. Below the answers is a button labeled "MARK THIS QUESTION FOR REVIEW". At the bottom, there is a navigation bar with buttons for "First", "Previous", "Next", and "Last", a "MOVE TO Q" dropdown menu, a legend, and an "INSTRUCTIONS" button. The legend indicates that 'X' represents unattempted questions and '#' represents questions marked for review.

## LEGEND

1.	Registration No
2.	Question No you are attempting
3.	Statement of Question
4.	Five possible answers
5.	To Review the question
6.	First Question
7.	Previous Question
8.	Next Question
9.	Last Question
10.	(a) X - Un-attempted Questions (b) # - To review Questions
11.	Instructions
12.	Photograph
13.	Total No of Question
14.	Time remaining

# SAMPLE INTELLIGENCE TEST



## EXAMPLES

The intelligence test consists of two parts i.e. Verbal and non-vervbal, the examples for each part are given below:-

(a) Example part - I

PAF E-INDUCTION SYSTEM

REGISTRATION NO	X999-99-9999	TIME REMAINING	99:99
QUESTION NO	3	TOTAL QUESTIONS	7

People attend educational institutions because :

A  They want to spend time.

B  They are forced to do so.

C  They want to get good jobs.

D  They want to get knowledge.

E  They want to move in upper class.

MARK THIS QUESTION FOR REVIEW

The most logical answer to this question is "D".

1x  
2x#  
3  
4#  
5x  
6  
7x

LEGEND:  
X Unattempted Questions.  
# Questions Marked for Review

First Previous Next Last

MOVE TO Q

END EXAMPLES



# SAMPLE INTELLIGENCE TEST

PAF E-INDUCTION SYSTEM

REGISTRATION NO	X999-99-9999	TIME REMAINING	99:99
QUESTION NO	3	TOTAL QUESTIONS	7

What number comes next in the following series:-  
3    6    7    9    2

A  10

B  6

C  13

D  11

E  15

MARK THIS QUESTION FOR REVIEW

The numbers are increasing 2 at a time, while proceeding to next step. If you add 2 in 9 you will get 11, so the correct answer is "D".

First Previous Next Last

MOVE TO Q

LEGEND:  
X Unattempted Questions  
# Questions Marked for Review

END EXAMPLES

# SAMPLE INTELLIGENCE TEST



(b) Example part - II

PAF E-INDUCTION SYSTEM

REGISTRATION NO	X999-99-9999	TIME REMAINING	99:99
QUESTION NO	3	TOTAL QUESTIONS	7

IS TO AS IS TO

A B C D E

You have to find out a relationship between the first two figures. As we move from first figure to the second figure. The shade of the small square, which is inside the big square, is removed. Similarly; applying the same technique on figure No. 3, we can easily get correct answer which is "A".

A  B  C  D  E   MARK THIS QUESTION FOR REVIEW

First Previous Next Last

MOVE TO Q

LEGEND:  
X Unattempted Questions  
# Questions Marked for Review

INSTRUCTIONS



# SAMPLE INTELLIGENCE TEST

PAF E-INDUCTION SYSTEM

REGISTRATION NO	X999-99-9999	TIME REMAINING	99:99
QUESTION NO	3	TOTAL QUESTIONS	7

Which one of the following is different from the rest?

A                      B                      C                      D                      E

There are five aeroplanes; four of them are same except one which is under option B, in which small portion of the tail is missing at the left side.

A  B  C  D  E   MARK THIS QUESTION FOR REVIEW

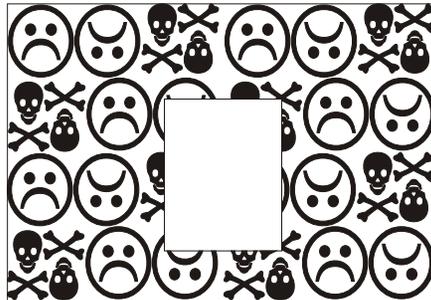
First Previous Next Last

MOVE TO Q

LEGEND:  
X Unattempted Questions  
# Questions Marked for Review

INSTRUCTIONS

# SAMPLE INTELLIGENCE TEST



On the left side you can see a big pattern with a small piece missing in it. There are four small patterns drawn as options **A, B, C & D** at the right side.



Find out which one of the four small patterns exactly fits into blank space of the big pattern. Match the corners of the given options with the corners of the mission pattern, you can easily get the correct answer, which is option **B**.



A

B



C

D



?



On the left side, in first row, there is a blank square, a lined circle and a black triangle, The Position of these patterns has been changed in the second row. In the third row, one of the patterns (lined square) is missing which is placed under option "C".



# SAMPLE ACADEMIC TEST

## ENGLISH

Choose the suggested answer which best completes the sentence.

1. We seem to agree \_\_\_\_\_ almost everything.
- (a) to (c) on  
(b) with (d) about

Select the correct spelling of the following word.

2. Showing a sense of humour or amusement.
- (a) Humours (c) Humorous  
(b) Humorous (d) Humoreous

Choose the correct "Indirect Speech".

3. He says tome "I am tired".
- (a) He says to me that he is tired (c) He says tome that i am tired.  
(b) He tells to me that he is tired (d) he tells that he is tired.

Fill in the blank with suitable word.

4. The chimney of our house is blocked with \_\_\_\_\_.
- (a) Soot (b) Suit (c) Suite (d) Sweat
5. Indicate the voice "Who wrote it?".
- (a) Active voice (b) Passive voice (c) Exclamatory



## PHYSICS

**1. Acoustics deals with**

- |           |               |
|-----------|---------------|
| (a) Light | (c) Magnetism |
| (b) Heat  | (d) Sound     |

**2. A Null Vector is denoted by:**

- |                 |         |
|-----------------|---------|
| (a) 1           | (c)   a |
| (b) $\emptyset$ | (d) u   |

**3. In 1873, Maxwell showed that light is a form of:-**

- |                      |                           |
|----------------------|---------------------------|
| (a) Waves            | (c) Particles             |
| (b) Mechanical waves | (d) Electromagnetic Waves |

**4. Max Plank postulated:**

- |                     |                          |
|---------------------|--------------------------|
| (a) Particle Theory | (c) Quantum Theory       |
| (b) Wave Theory     | (d) Theory of Relativity |

**5. Mathematically the coefficient of linear expansion can be written as:**

(a)  $\alpha = \frac{\Delta L}{L_0 \Delta T}$

(b)  $\alpha = \frac{L_0}{\Delta L \Delta T}$

$\frac{\Delta L \Delta T}{L_0}$



# SAMPLE ACADEMIC TEST

## MATHEMATICS

1. Let  $A = \{1,2,3,4,5,6\}$ ,  $B = \{4,5,6,7,8,9,10\}$  then:

- (a)  $A \cap B = \{4,5,6\}$  (c)  $A \cap B = \emptyset$   
(b)  $A \cap B = \{7,8,9,10\}$  (d)  $A \cap B = \{1,2,3\}$

2. Division is a binary operation on

- (a) Set of natural number (c) Set of negative integers  
(b) Set of positive integers (d) None of the above

3.  $\int a^x dx = \dots\dots\dots$

- (a)  $a^x / \ln a$  (c)  $a^x / \ln a$   
(b)  $a^x / \ln a$  (d)  $a^x / \ln a$

4. The slope of the line passing through the points (4,5) and (3,7) is given by:

- (a) 1 (c) -2  
(b) 2 (d) -1/2

5.  $\frac{2 \tan \beta}{2 + \tan^2 \beta}$  is equal to

- (a)  $\cos 2\beta$  (c)  $\operatorname{Cosec} 2\beta$   
(b)  $\sec 2\beta$  (d)  $\sin 2\beta$

## FILLING THE ANSWER SHEET

**In case of non availability of computers. The procedure for filling the answer sheet is as follows:-**

- ◆ Extreme care is to be taken in filling out the answer sheet.
- ◆ This sheet should not be folded, stapled or damaged.
- ◆ The rectangles on the sheet are to be filled completely with black **2B** or **3B** pencil.
- ◆ All the candidates are to bring **2B** or **3B** pencil and eraser along with them or Intelligence and Academic Tests.

### **Procedure for Filling the Answer Sheet**

If your Registration Number is 13215, you will blacken the rectangle 1 in first row, 3 in the second row, 2 in the third row, 1 in the fourth row and 5 in the fifth row under the Registration number. Each number or alphabet is to be marked (blackened) on a separate horizontal row. A line must not contain more than one blackened rectangle. For a space between two words, leave a row unmarked.

Each answer contains five choices, A B C D & E. Each answer also contains the answer number next to it for each reference. Only one answer is correct. For the answer which you think is correct, blacken out the appropriate rectangle. If you discover that you have blackened an inappropriate rectangle and you want to change it, erase the wrong answer and blacken the correct choice. If you mark more than one rectangle in one answer, it will be read as incorrect by the computer.