

ESIC MTS Prelims 2022 Memory Based Paper PDF (In English)

Direction: Study the following data carefully and answer the questions accordingly.

Six people live in a six-storey building. One person lives on one floor. The ground floor is numbered 1 and the top floor is numbered 6. K lives on the third floor. T lives near K. Two people live between T and Q. One people live between P and L, who lives above P. Three people live between Q and M.

1. How many people live between M and the one who lives just above P?

- A. One
- B. Two
- C. Three
- D. Four
- E. None of these

2. How many people live above T?

- A. One
- B. Two
- C. Three
- D. Four
- E. None of these

3.

Who amongst the following lives on the topmost floor?

- A. P
- B. L
- C. M
- D. Q
- E. None of these

4. Point P is 6m to the north of point O. Point O is 5m to the east of point N. Point N is 4m to the north of point M. Point Q is 7m to the east of point P. Point Q is in which direction with respect to point O?

- A. South
- B. North
- C. Southwest
- D. Northeast
- E. Southeast

Direction: In the question below are given three statements followed by the conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

5.

Statements:

All cup are jug

Only a few jug are glass

Only a few glass are spoon

Conclusions:

I. No cup are spoon

II. Some spoon are cup

- A. Only I follows
- B. Only II follows
- C. Either I or II follows



- D. Neither I nor II follows
- E. Both I and II follow

Direction: Study the following information carefully and answer the following questions:

429 216 547 913 851

6. If all the digits in each number are arranged in descending order within the number, then which of the following number will become the second lowest?

- A. 851
- B. 913
- C. 547
- D. 216
- E. 429

7. If 1st digit of each number is interchanged with 2nd digit within the number, then which number becomes the highest?

- A. 429
- B. 216
- C. 547
- D. 913
- E. 851

8. If all the letters are arranged according to English alphabetical order within the word "VIDEO", then how many words will remain unchanged?

- A. One
- B. Two

- C. Three
- D. None
- E. None of these

9. Find the odd one out.

- A. JLN
- B. SUW
- C. EGI
- D. PQS
- E. BDF

10. How many such pairs of letters are there in the word **MASTER** each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series?

- A. One
- B. Two
- C. Three
- D. Four
- E. More than Four

Direction: In the following question, a sentence is given with a blank to be filled in with an appropriate word. Five alternatives are suggested for the question. Choose the correct alternative out of the five.

11. The bank had put up a notice _____ that it will be closed for two days.

- A. State
- B. Stated
- C. Stating
- D. States
- E. Mention



Direction: (12–13) Out of the statements given below, one statement may be grammatically or contextually correct. Choose the correct statement as your answer. If all the statements are incorrect, choose E, i.e. 'None of the above'.

12.

- A. My prime concern is to protecting my property.
- B. A design flaw caused the engine exploding.
- C. When she had come back, her friend had left.
- D. She laid the child tender on the bed.
- E. None of the above

13. A. She need someone to rejoice with her.

- B. The animals were looking for food.
- C. I get out of the car to inspect the damage .
- D. I was now donate the money to charity.
- E. None of the above

Direction: (14–18) Select the correctly spelt word.

14.

- A. Brutel
- B. Barel
- C. Glich
- D. Policy
- E. Poket

Direction: (15–16) Select the correct singular of the given words.

15. Species

- A. Specie
- B. Specy
- C. Species
- D. Speciey
- E. Speecy

Direction: (16–20) What should come in place of the question mark '?' in the following question?

16.

$$60 + 35 - 25 = 5 \times ?$$

- A. 22
- B. 14
- C. 18
- D. 12
- E. 9

$$17.67 + 37 - 58 = ? \div 2$$

- A. 63
- B. 103
- C. 92
- D. 84
- E. 76

$$18.90 \div ? = 15 \times 4 - 30$$

- A. 10
- B. 3
- C. 32
- D. 17
- E. 1



$$19.50 - 18 = 8 \times ? - 32$$

- A. 6
- B. 23
- C. 8
- D. 15
- E. None of these

20. An article is sold at a 20% profit. If the selling price of article is Rs. 1440, find the cost price of article.

- A. Rs. 1020
- B. Rs. 1240
- C. Rs. 1200
- D. Rs. 1350
- E. Rs. 1400

21. Average marks obtained by a student in Mathematics and Science is 40 and average marks obtained by him in English and Hindi is 32. Find the average marks obtained by the student in all four subjects.

- A. 33
- B. 36
- C. 39
- D. 35
- E. None of these

22. Find the value of y , if $\frac{x}{2} + \frac{y}{3} = 60$
and $\frac{x}{5} = 16$

- A. 54
- B. 48
- C. 36
- D. 72
- E. 60

Direction: (23–25) Study the following information carefully and answer the given questions.

A, B and C are three libraries. There are 5000 books in library C. The number of books in library B is 400 more than the number of books in library A. The number of books in library A is half the number of books in library C.

23. What is the average number of books in library A and B?

- A. 3200
- B. 2400
- C. 2100
- D. 3000
- E. 2700

24. What is the difference between the number of books in library B and the number of books in library C?

- A. 2600
- B. 1900
- C. 2100
- D. 3200
- E. 2300

25. Some books in library A are written by foreign authors and remaining are written by Indian authors. If half the books in library A are written by foreign authors, what is the number of books in library A which are written by Indian authors?

- A. 1750
- B. 1550



- C. 1050
- D. 1250
- E. 950

1. Which team was the winner of the Indian Premier League (IPL) 2021?
2. Neeraj Chopra was conferred with Padma Vishisht Seva Medal (VSM) in which year?
3. How many Union Territories are there in India with Legislative Assemblies?
4. What does 'S' stand for in ISRO?
5. Gandhi Jayanti is observed on _____
6. Who is the current Education Minister of India?
7. Narendra Modi became Prime Minister of India for the first time in _____.
8. Pratibha Patil first women _____ of India.
9. Who is a badminton player?
10. Brahmaputra river flows in which region of India?

11. Jim Corbett National Park is located in which state?
12. Battle of Plassey was fought in which year?
13. Champaran Satyagraha started in which state?
14. Which is the largest public sector bank of India?
15. Vaishno Devi temple is situated on which hill?
16. Where is Victoria Memorial situated?
17. Who is the Supreme Commander of Indian Armed Forces?
18. Ajanta Ellora is located in which state?
19. Lok Sabha elections are held after how many years?
20. Who is the Chief Minister of Madhya Pradesh?



Answers & Explanations

1. Ans. C.

6	L
5	Q
4	P
3	K
2	T
1	M

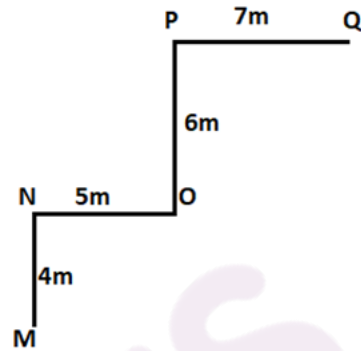
2. Ans. D.

6	L
5	Q
4	P
3	K
2	T
1	M

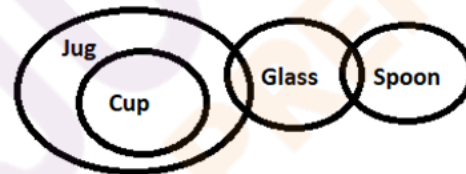
3. Ans. B.

6	L
5	Q
4	P
3	K
2	T
1	M

4. Ans. D.



5. Ans. C.



6. Ans. C.

After arranging in descending order,

942 621 754 931 851

7. Ans. E.

After interchanging 1st digit with 2nd digit:

249 126 457 193 581

8. Ans. D.

Given word : VIDEO

Word after rearrangement : DEIOV

9. Ans. D.



$J + 2 \rightarrow L; L + 2 \rightarrow N$

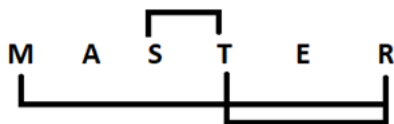
$S + 2 \rightarrow U; U + 2 \rightarrow W$

$E + 2 \rightarrow G; G + 2 \rightarrow I$

$P + 1 \rightarrow Q; Q + 2 \rightarrow S$ (odd)

$B + 2 \rightarrow D; D + 2 \rightarrow F$

10. Ans. C.



11. Ans. C.

The correct answer is C. We need a gerund here. The correct form of 'state' for this sentence would be 'stating'.

12. Ans. C.

Note the errors in the remaining sentences:

A- 'protecting' is incorrect, it should be 'protect'.

B- 'exploding' is incorrect, it should be 'explode'

D- 'tender' is incorrect, its should be 'tendering'

13. Ans. B.

Note the errors in the remaining sentences:

A- 'need' is incorrect, it should be 'needs'

C- 'get' is incorrect, it should be 'got'

D- 'was' is incorrect, it should be 'will'

14. Ans. D.

The correct answer is D.

15. Ans. C.

The correct answer is C.

16. Ans. B.

$$60 + 35 - 25 = 5 \times ?$$

$$\Rightarrow 95 - 25 = 5 \times ?$$

$$\Rightarrow 70 = 5 \times ?$$

$$\Rightarrow ? = \frac{70}{5} = 14$$

17. Ans. C.

$$67 + 37 - 58 = ? \div 2$$

$$\Rightarrow 104 - 58 = ? \div 2$$

$$\Rightarrow 46 = ? \div 2$$

$$\Rightarrow ? = 46 \times 2 = 92$$

18. Ans. B.

$$90 \div ? = 15 \times 4 - 30$$

$$\Rightarrow \frac{90}{?} = 60 - 30$$

$$\Rightarrow \frac{90}{?} = 30$$



$$\Rightarrow ? = \frac{90}{30} = 3$$

19. Ans. C.

$$50 - 18 = 8 \times ? - 32$$

$$\Rightarrow 32 = 8 \times ? - 32$$

$$\Rightarrow 8 \times ? = 32 + 32$$

$$\Rightarrow 8 \times ? = 64$$

$$\Rightarrow ? = 8$$

20. Ans. C.

Let the cost price be Rs. x .

So, 120% of x = Rs. 1440

$$\Rightarrow \frac{120}{100} \times x = 1440$$

$$\Rightarrow x = 1440 \times \frac{100}{120} = 1200$$

21. Ans. B.

Sum of marks obtained in Mathematics and Science = $40 \times 2 = 80$

Sum of marks obtained in English and Hindi = $32 \times 2 = 64$

Sum of marks obtained in four subjects = $80 + 64 = 144$

$$\text{Required average} = \frac{144}{4} = 36$$

22. Ans. E.

$$\frac{x}{5} = 16$$

$$\Rightarrow x = 80$$

$$\frac{x}{2} + \frac{y}{3} = 60$$

$$\Rightarrow \frac{80}{2} + \frac{y}{3} = 60$$

$$\Rightarrow 40 + \frac{y}{3} = 60$$

$$\Rightarrow \frac{y}{3} = 60 - 40 = 20$$

$$\Rightarrow y = 60$$

23. Ans. E.

$$\text{Number of books in library A} = \frac{5000}{2} = 2500$$

$$\text{Number of books in library B} = 2500 + 400 = 2900$$

$$\text{Required average} = \frac{2500 + 2900}{2} = 2700$$

24. Ans. C.

$$\text{Number of books in library A} = \frac{5000}{2} = 2500$$

$$\text{Number of books in library B} = 2500 + 400 = 2900$$

$$\text{Required difference} = 5000 - 2900 = 2100$$

25. Ans. D.



$$\text{Number of books in library A} = \frac{5000}{2} = 2500$$

$$\text{Number of books in library B} = 2500 + 400 = 2900$$

$$\text{Required number of books} = \frac{2500}{2} = 1250$$

1 . Ans: Chennai Super Kings

2. Ans: 2020

3. Ans: 3 (Delhi, Jammu and Kashmir, and Puducherry)

4. Ans: Space

5. Ans: 2nd October

6. Ans: Dharmendra Pradhan

7. Ans: 2014

8. Ans: President

9. Ans: Praksah Padukone

10. Ans: North East

11. Ans: Uttarakhand

12. Ans: 1757

13. Ans: Bihar

14. Ans: State Bank of India

15. Ans: Trikuta Hills

16. Ans: Kolkata

17. Ans: President of India

18. Ans: Maharashtra

19. Ans: 5 years

20. Ans: Shivraj Singh Chauhan

