

IBPS PO Prelims 2021 Memory based Question **DOWNLOAD PDF**



Direction: Study the following information carefully and answer the questions given below.

Certain number of people are sitting in a row facing north. Two people sit between F and G. T sits second to the left of G. Two people sit between F and A. R sits fifth to the left of T. R sits at one of the extreme ends. Three people sit between A and D who sits adjacent to F.

1. How many people are sitting in the row?
A. Nine
B. Eleven
C. Fourteen
D. Sixteen
E. None of these
2. Who sits second to the left of D?
A. T
B. G
C. R
D. F
E. None of these
3. How many people sit between F and R?
A. Eight
B. None
C. Three
D. Nine
E. Four

4. How many such pairs of letters are there in the word **LAVISHLY** each of which has as many letters between them as in the English alphabet in both forward and backward directions?

- A. Three
- B. One
- C. Two
- D. None
- E. More than three

Direction: Study the following information carefully and answer the questions given below.

Fourteen people are sitting in two rows. In Row 1 – P, Q, R, S, T, U and V are sitting facing the south direction and in Row 2 – A, B, C, D, E, F and G are sitting facing the north direction but not necessarily in the same order.

B sits third to the right of D. Two people sit between Q and the one who faces B. Three people sit between Q and V. The one who faces V sits adjacent to A. Two people sit between A and C. Three people sit between P and the one who faces C. F sits to the immediate left of the one who faces S. Three people sit between S and T. G does not face T. R does not face B.



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5. Who sits third to the right of the U?

- A. V
- B. Q
- C. T
- D. R
- E. None of these

6. Who sits to the immediate left of the one who faces R?

- A. F
- B. D
- C. A
- D. E
- E. None of these

7. Four of the following five are alike in a certain way and hence form a group. Which amongst the following does not belong to that group?

- A. G
- B. U
- C. Q
- D. D
- E. P

8. How many people sit between T and the one who faces F?

- A. Three
- B. None
- C. One
- D. Two
- E. More than three

9. Which of the following statements is/are true?

- I. C faces Q
 - II. Two people sit between U and P
 - III. G sits at the end of the row
- A. Only II
 - B. Only III

- C. Both II and III
- D. Only I
- E. Both I and III

10. If in the given word **PRECARIOUS** each of the consonants is changed to the previous letter and each vowel is changed to the next letter then how many letters in the word are repeated?

- A. One
- B. Two
- C. Three
- D. None
- E. More than three

Direction: In the given question, a part of the sentence is printed in bold. Below the sentence, alternatives to the emboldened part are given as (A), (B), (C) and (D), which may help improve the sentence. Choose the correct alternative out of the given five options. In case the given sentence is correct, your answer will be option (E), i.e., "No correction required".

11. Battles over public budgets are usually fought line by line, **after closed doors** as well as in public.

- A. In front of closed doors
- B. Behind closed doors
- C. Over closed doors
- D. Out of closed doors
- E. No correction required



12. The sun was **hidden in** Spyglass Hill, which came down to the sea in dangerous cliffs on the left side of the island.

- A. Hidden from
- B. Hidden before
- C. Hidden behind
- D. Hidden inside
- E. No correction required

Direction: In the given question four statements are given in the options. One word is used in all of the statements; pick up the statement in which the word has been used correctly. If the usage is correct in all the statements, then choose option E i.e., 'All are correct' as your answer.

13. **Wind**

- A. If you aren't careful lifting weights, you could **wind up** hurting yourself.
- B. The **wounded** leg soon became so much worse that the horse was suspended from a beam.
- C. He seemed to falter halfway through the race before finding his second **wind**.
- D. They continued up a **winding** path toward the top of the lowest of the mountains.
- E. All are correct

14. Fellow

- A. He motioned to the others to **fellow** and they all went down the path to the building.
- B. The story order is constructed to hold and build the **fellowship** rather than place events in context or explain issues in depth.
- C. He became a **fellow** of Queens' College, Cambridge, in 1530, and in 1533 was appointed a public reader or professor.
- D. She is a pious **fellow** of the faith, never missing her prayers.
- E. All are correct

15. Ascent

- A. The climbers made their **ascent** of the mountain without oxygen.
- B. There were murmurs of both **ascent** and dissent from the crowd.
- C. She adopted an upper-class **ascent** to give herself a veneer of sophistication.
- D. Small town banks have to **ascent** the relative riskiness of their loans.

Direction: In the given statement some words have been highlighted. These words may not be at the correct place making the sentence grammatically and contextually incorrect. Choose the option which represents the correct sequence of words, which will make the sentence grammatically and contextually correct. If the sentence is correct as it is, choose E i.e. 'No rearrangement required' as your answer.



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16. The **sparked** (A) of steel **invention** (B) the second industrial revolution, catalyzing an economic **renewal**. (C)

- A. CAB
- B. BAC
- C. CBA
- D. ACB
- E. No rearrangement required

17. We often **places** (A) new **discover** (B) when we take **excursions** (C) around the world.

- A. BAC
- B. ACB
- C. CAB
- D. BCA
- E. No exchange required.

18. Politicians are like **biochemical** (A) because they **play** (B) with emotional and **musicians** (C) reactions of the general public.

- A. ACB
- B. BCA
- C. CAB
- D. CBA
- E. No exchange required.

Direction: A sentence with one blank is given, indicating that something has been omitted. Choose the word that best fits the blank appropriately.

19. Resilience can help us stay _____ on important things in life and keep calm during a crisis.

- A. Aligned
- B. Calm
- C. Focused
- D. Stagnant
- E. Composed

20. One must focus on a task with utmost concentration so that worries and time _____ by unnoticed.

- A. Flow
- B. Get away
- C. Gone
- D. Pass
- E. Vanish

Direction: What should come in place of the question mark (?) in the following number series?

21. 580, 557, 528, 497, ?

- A. 412
- B. 452
- C. 431
- D. 460
- E. 428

22. 81, 72, 136, 111, ?

- A. 319
- B. 327
- C. 341
- D. 264
- E. 275

23. 9, 19, 39, 79, ?

- A. 193
- B. 167
- C. 159
- D. 145
- E. 141

24. 6, 12, 30, 105, ?

- A. 525
- B. 584
- C. 495
- D. 446
- E. 502



Direction: In the following question two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y.

25. I. $X^2 - 7X + 12 = 0$

II. $Y^2 - 7Y + 10 = 0$

A. $Y > X$

B. $X > Y$

C. $X \leq Y$

D. $X \geq Y$

E. $X = Y$ or no relation can be established

26. I. $10X^2 + 33X + 9 = 0$

II. $2Y^2 + 13Y + 21 = 0$

A. $Y > X$

B. $X > Y$

C. $X \leq Y$

D. $X \geq Y$

E. $X = Y$ or no relation can be established

27. I. $6X^2 + 19X + 10 = 0$

II. $Y^2 + 10Y + 25 = 0$

A. $Y > X$

B. $X > Y$

C. $X \leq Y$

D. $X \geq Y$

E. $X = Y$ or no relation can be established

28. Two friends Jaya and Rupali started a business with investments of Rs. 24000 and Rs. 18000 respectively. After 6 months Sonali joined the business with Rs. 30000 and at the same time Jaya left the business. At the end of 1 year, profit share of Sonali was Rs. 4000 more than the profit share of Jaya. Find the profit share of Rupali.

A. Rs. 28400

B. Rs. 27000

C. Rs. 24000

D. Rs. 32800

E. None of these

29. The curved surface area of a cylinder is 1056 cm^2 . The ratio of height to radius is $6 : 7$. What is the total surface area of the cylinder?

A. 2860 cm^2

B. 2145 cm^2

C. 1716 cm^2

D. 2288 cm^2

E. None of these

30. A boat goes $2D$ km downstream and D km upstream in 7.5 hours. If the downstream and upstream speeds of the boat are 12 km/hr and 4 km/hr , then what is the value of D ?

A. 9

B. 15

C. 18

D. 24

E. None of these

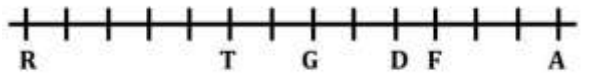


Answers & Explanations

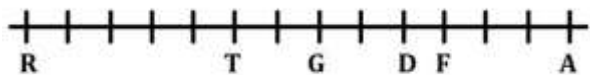
1. Ans. C.



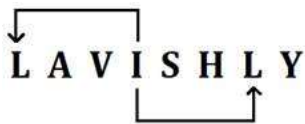
2. Ans. B.



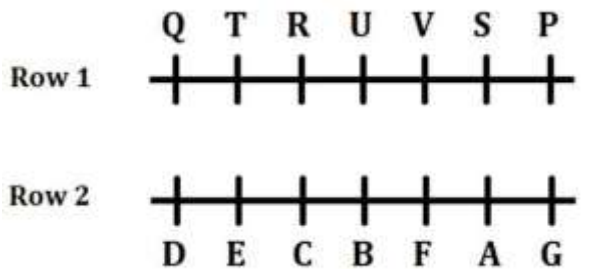
3. Ans. D.



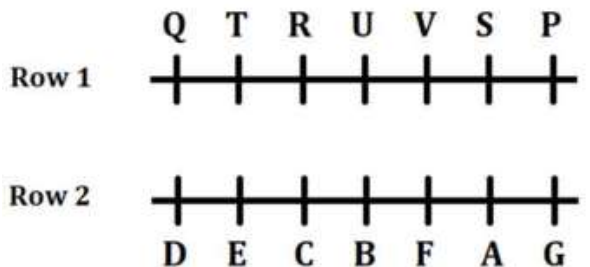
4. Ans. C.



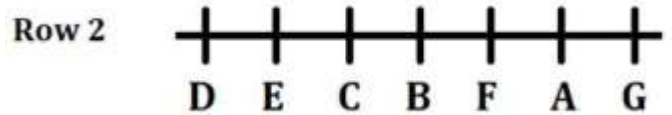
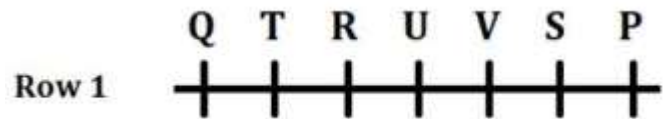
5. Ans. B.



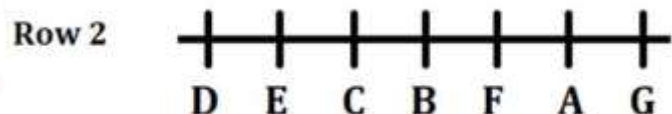
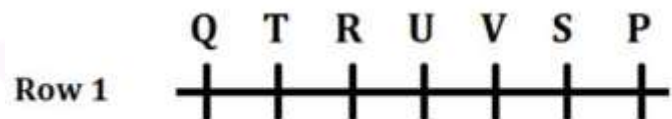
6. Ans. D.



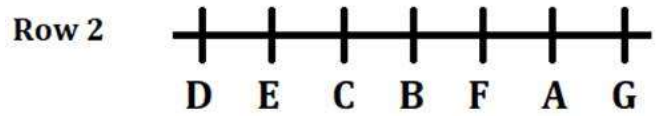
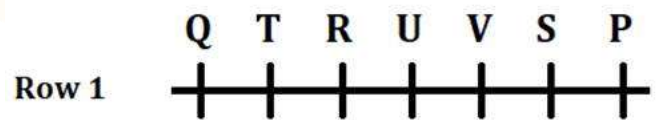
7. Ans. B.



8. Ans. D.



9. Ans. C.



10. Ans. B.

P R E C A R I O U S
O Q F **B B** Q J P V R



11. Ans. B.

The correct answer is 'behind closed doors'. Thus, option B is the correct answer.

12. Ans. C.

The correct answer is option C. The correct preposition would be 'behind'.

13. Ans. E.

Second wind means "a person's ability to breathe freely during exercise, after having been out of breath."

14. Ans. C.

B is incorrect as the correct word would be 'viewership'.

D demands 'follower' as we are talking about prayers and faith.

A demands a verb that is follow and not a noun 'fellow'.

15. Ans. A.

In B: the correct word would be 'assent'

A is correct

In C: the correct word would be 'accent'

In D: the correct word would be 'assess'

16. Ans. B.

The correct answer is BAC.

17. Ans. A.

Option A is the correct answer.

18. Ans. D.

Option D is the correct answer.

19. Ans. C.

The correct fit would be 'stay focused'

20. Ans. D.

The correct answer is D.

21. Ans. D.

The pattern of the series is:

$$580 - 23 = 557$$

$$557 - 29 = 528$$

$$528 - 31 = 497$$

$$497 - 37 = 460$$

Here, 23, 29, 31 and 37 are consecutive prime numbers.

Hence, the missing number is 460.

22. Ans. B.

The pattern of the series is:

$$81 - 3^2 = 72$$

$$72 + 4^3 = 136$$

$$136 - 5^2 = 111$$

$$111 + 6^3 = 327$$

Hence, the missing number is 327.

23. Ans. C.

The pattern of the series is:

$$9 \times 2 + 1 = 19$$

$$19 \times 2 + 1 = 39$$

$$39 \times 2 + 1 = 79$$

$$79 \times 2 + 1 = 159$$

Hence, the missing number is 159.

24. Ans. A.

The pattern of the series is:

$$6 \times 2 = 12$$

$$12 \times 2.5 = 30$$

$$30 \times 3.5 = 105$$

$$105 \times 5 = 525$$

Here,

$$2 + 0.5 = 2.5$$



$2.5 + 1 = 3.5$
 $3.5 + 1.5 = 5$
Hence, the missing number is 525.

25. Ans. E.

I. $X^2 - 7X + 12 = 0$
 $\Rightarrow X^2 - 4X - 3X + 12 = 0$
 $\Rightarrow X(X - 4) - 3(X - 4) = 0$
 $\Rightarrow (X - 4)(X - 3) = 0$
 $\Rightarrow X = 4, 3$

II. $Y^2 - 7Y + 10 = 0$
 $\Rightarrow Y^2 - 5Y - 2Y + 10 = 0$
 $\Rightarrow Y(Y - 5) - 2(Y - 5) = 0$
 $\Rightarrow (Y - 5)(Y - 2) = 0$
 $\Rightarrow Y = 5, 2$

Hence, no relation can be established.

26. Ans. D.

I. $10X^2 + 33X + 9 = 0$
 $\Rightarrow 10X^2 + 30X + 3X + 9 = 0$
 $\Rightarrow 10X(X + 3) + 3(X + 3) = 0$
 $\Rightarrow (X + 3)(10X + 3) = 0$
 $\Rightarrow X = -3, -\frac{3}{10}$

II. $2Y^2 + 13Y + 21 = 0$
 $\Rightarrow 2Y^2 + 6Y + 7Y + 21 = 0$
 $\Rightarrow 2Y(Y + 3) + 7(Y + 3) = 0$
 $\Rightarrow (Y + 3)(2Y + 7) = 0$
 $\Rightarrow Y = -3, -\frac{7}{2}$

Hence, $X \geq Y$.

27. Ans. B.

I. $6X^2 + 19X + 10 = 0$
 $\Rightarrow 6X^2 + 15X + 4X + 10 = 0$
 $\Rightarrow 3X(2X + 5) + 2(2X + 5) = 0$
 $\Rightarrow (2X + 5)(3X + 2) = 0$
 $\Rightarrow X = -\frac{5}{2}, -\frac{2}{3}$

II. $Y^2 + 10Y + 25 = 0$
 $\Rightarrow Y^2 + 5Y + 5Y + 25 = 0$
 $\Rightarrow Y(Y + 5) + 5(Y + 5) = 0$
 $\Rightarrow (Y + 5)(Y + 5) = 0$
 $\Rightarrow Y = -5$

Hence, $X > Y$.

28. Ans. C.

Ratio of profit shares of Jaya, Rupali and Sonali
 $= 24000 \times 6 : 18000 \times 12 : 30000 \times 6$
 $= 4 : 6 : 5$

Let the profit shares of Jaya, Rupali and Sonali be Rs. $4x$, Rs. $6x$ and Rs. $5x$ respectively.

Now, $5x - 4x = 4000$

$\Rightarrow x = 4000$

Profit share of Rupali = $6 \times 4000 =$
Rs. 24000

29. Ans. D.

Let height be $6x$ cm, then radius = $7x$ cm

Given, curved surface area = 1056 cm^2

So, $2\pi rh = 1056$

$\Rightarrow 2 \times \frac{22}{7} \times 7x \times 6x = 1056$

$\Rightarrow x^2 = 4$

$\Rightarrow x = 2$

So, the total surface area = $2\pi r(h +$

$r) = 2 \times \frac{22}{7} \times 7x \times (6x + 7x)$

$= 2 \times \frac{22}{7} \times 14 \times 26 = 2288 \text{ cm}^2$

Hence, option D is correct.



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30. Ans. C.
Downstream time + Upstream time
= 7.5 hours

$$\text{So, } \frac{2D}{12} + \frac{D}{4} = 7.5$$

$$\Rightarrow \frac{5D}{12} = 7.5$$

$$\Rightarrow D = 18$$

Hence, option C is correct.



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