

**IBPS Clerk Prelims 2020**  
**Memory Based Paper**  
**(Based on 12th December)**

Total Questions: 100

Total Time: 60 Minutes

Total Marks: 100

**SECTION I : ENGLISH LANGUAGE (Questions 1–30)**

**Directions (1–8):** Read the following passage carefully and answer the questions based on it. Some words are highlighted to help you answer certain questions.

The human brain is among the most extraordinary structures in the known universe. Weighing approximately 1.4 kilograms on average, it houses roughly 86 billion neurons that form trillions of connections called synapses. This dense network allows us to think, feel, learn, remember, and make decisions. Yet despite its remarkable capabilities, the brain remains vulnerable to disruptions—one of the most common of which is stress. Stress is the body's natural response to perceived threats or demands. In controlled amounts, it can actually be **beneficial**, sharpening focus and motivating action. However, chronic stress— prolonged exposure to stressors without adequate recovery—can severely damage both mental and physical health. When the brain senses danger, the hypothalamus triggers the release of stress hormones, chiefly cortisol and adrenaline. These hormones prepare the body to fight or flee: heart rate accelerates, blood pressure rises, and non-essential functions are temporarily suppressed. Over time, chronically elevated cortisol levels can shrink the hippocampus, the brain region responsible for memory and learning. Individuals suffering from chronic stress often report difficulties in concentration, forgetfulness, and impaired decision-making. Stress also **exacerbates** anxiety and depressive disorders, creating a vicious cycle that is difficult to break without deliberate intervention. Sleep quality deteriorates significantly under stress, since an overactive stress response keeps the nervous system in a state of hyperarousal, making deep, restorative sleep elusive. The physical consequences of unmanaged stress extend far beyond the brain. Chronic stress is strongly linked to cardiovascular disease, as persistent elevation of blood pressure damages arterial walls over time. The immune system is also compromised; stress hormones suppress immune function, leaving the body more susceptible to infections. Digestive disorders such as irritable bowel syndrome are frequently aggravated by psychological stress, because the gut and brain are in constant two-way communication through what scientists call the gut-brain axis. Fortunately, a range of evidence-based strategies can help individuals \_\_\_\_\_ (A) \_\_\_\_\_ stress effectively. Regular aerobic exercise stimulates the production of endorphins and promotes neurogenesis in the hippocampus, partially reversing the damage caused by cortisol. Mindfulness meditation has been shown to reduce activity in the amygdala, the brain's alarm centre. Adequate sleep, a nutrient-rich diet, and strong social connections also serve as powerful buffers against stress. Where lifestyle changes are insufficient, cognitive-behavioural therapy and, when clinically indicated, medication may be necessary to restore equilibrium.

**Q1. According to the passage, which of the following statements is TRUE?**

- (a) Chronic stress permanently destroys all neurons in the hippocampus.
- (b) A small amount of stress can be helpful by sharpening focus and encouraging action.
- (c) The hypothalamus directly releases cortisol without any intermediate step.
- (d) Both (a) and (b)
- (e) All are true

**Q2. What is/are the reason(s) for impaired memory in chronically stressed individuals?**

- (i) Shrinkage of the hippocampus due to elevated cortisol levels.
  - (ii) Overproduction of endorphins suppressing synaptic connections.
  - (iii) Sleep deprivation caused by a hyperactive stress response preventing restorative rest.
- (a) Only (i)
  - (b) Only (iii)
  - (c) Both (i) and (iii)
  - (d) Both (i) and (ii)
  - (e) All (i), (ii) and (iii)

**Q3. Choose the most suitable phrasal verb to fill blank (A) to make the sentence grammatically and contextually correct.**

- (a) give in to
- (b) stand up for
- (c) cope with
- (d) look down on
- (e) carry out

**Q4. Which of the following is TRUE according to the passage?**

- (a) Exercise worsens hippocampal damage caused by cortisol.
- (b) Chronic stress has no significant effect on the immune system.
- (c) The gut and the brain communicate through the gut-brain axis.
- (d) Meditation increases amygdala activity.
- (e) All are true

**Q5. How can one protect oneself from the harmful effects of chronic stress?**

- (i) Practising mindfulness meditation regularly.
  - (ii) Consuming a diet high in processed sugars to boost energy.
  - (iii) Maintaining strong social relationships as a psychological buffer.
- (a) Only (i)
  - (b) Only (iii)
  - (c) Both (i) and (iii)
  - (d) Both (i) and (ii)
  - (e) All (i), (ii) and (iii)

**Directions (6–7): Choose the word that is closest in meaning to the highlighted word.**

**Q6. BENEFICIAL**

- (a) Harmful
- (b) Advantageous
- (c) Neutral
- (d) Excessive
- (e) Deliberate

**Q7. EXACERBATES**

- (a) Alleviates
- (b) Suppresses
- (c) Worsens
- (d) Conceals
- (e) Reverses

**Q8. Which word is OPPOSITE in meaning to the word ELUSIVE?**

- (a) Unattainable
- (b) Slippery
- (c) Accessible
- (d) Abstract
- (e) Fleeting

**Directions (9–13): Each sentence below is divided into four parts. Identify the part containing a grammatical error. Choose (e) 'No Error' if the sentence is correct.**

**Q9. She has been working (A)/ in this organisation (B)/ since the last five (C)/ years without a promotion. (D)/ No Error (E)**

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

**Q10. Neither the manager (A)/ nor the employees (B)/ was aware of (C)/ the policy change. (D)/ No Error (E)**

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

**Q11. The committee have (A)/ decided to postpone (B)/ the meeting till (C)/ further notice. (D)/ No Error (E)**

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

**Q12. The number of road (A)/ accidents have increased (B)/ significantly in the (C)/ past decade. (D)/ No Error (E)**

- (a) A
- (b) B

- (c) C
- (d) D
- (e) E

**Q13. If she would have (A)/ studied harder, she (B)/ would have passed (C)/ the examination easily. (D)/ No Error (E)**

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

**Directions (14–17): A part of each sentence is given in bold. It may or may not contain an error. Choose the correct replacement from the options. Select 'No improvement required' if the sentence is already correct.**

**Q14. The principal along with all the teachers were present at the ceremony.**

- (a) was present in
- (b) was present at
- (c) were present in
- (d) are present at
- (e) No improvement required

**Q15. He has been waiting here since two hours.**

- (a) from two hours
- (b) since two hours ago
- (c) for two hours
- (d) during two hours
- (e) No improvement required

**Q16. No sooner did the curtain rise than the audience erupted in applause.**

- (a) when the audience erupted in applause
- (b) than the audience erupted in applause
- (c) but the audience erupted in applause
- (d) then the audience erupted in applause
- (e) No improvement required

**Q17. Scarcely had she entered the room when the lights went out.**

- (a) She had scarcely entered the room
- (b) Scarcely she had entered the room
- (c) Had scarcely she entered the room
- (d) Scarcely did she enter the room
- (e) No improvement required

**Directions (18–22): In the passage below, some words are missing. Select the most appropriate word for each blank from the options given.**

The history of trade and commerce stretches back thousands of years. Early civilisations engaged in the \_\_\_\_ (18) \_\_\_\_ exchange of goods long before money was invented. The barter system, though \_\_\_\_ (19) \_\_\_\_ in simpler economies, gave way to currency as societies grew more complex. Coins made of precious metals became a universal \_\_\_\_ (20) \_\_\_\_ of value, enabling merchants to conduct transactions across vast distances. Over centuries, trade routes such as the Silk Road \_\_\_\_ (21) \_\_\_\_ not only goods but also ideas, technologies, and cultural practices. Today, global commerce operates through sophisticated financial systems, yet the fundamental human impulse to exchange and profit from goods remains \_\_\_\_ (22) \_\_\_\_ unchanged.

**Q18.**

- (a) virtual
- (b) primitive
- (c) complex
- (d) modern
- (e) institutional

**Q19.**

- (a) inadequate
- (b) functional
- (c) elaborate
- (d) redundant
- (e) prohibited

**Q20.**

- (a) token
- (b) symbol
- (c) store
- (d) measure
- (e) guarantee

**Q21.**

- (a) exported
- (b) restricted
- (c) transported
- (d) diminished
- (e) destroyed

**Q22.**

- (a) gradually
- (b) broadly
- (c) largely
- (d) partially
- (e) scarcely

**Directions (23–26):** In each sentence below, three words are shown in bold. Choose the option that gives the correct sequence of these words to make the sentence grammatically and contextually meaningful.

**Q23.** The government's decision to implement(A) a new tax policy has triggered(B) widespread debate(C) among economists.

- (a) ABC
- (b) BAC
- (c) CAB
- (d) ACB
- (e) None of these

**Q24.** Scientists have discovered(A) a novel compound that could revolutionise(B) treatment for antibiotic-resistant(C) infections.

- (a) ABC
- (b) CAB
- (c) BAC
- (d) CBA
- (e) None of these

**Q25.** The sudden collapse(A) of the bridge prompted(B) authorities to suspend(C) all construction activity in the region.

- (a) None of these
- (b) CAB
- (c) ABC
- (d) BCA
- (e) CBA

**Q26.** Experts urge(A) citizens to conserve(B) water given the worsening(C) drought conditions across the country.

- (a) None of these
- (b) CAB
- (c) ACB
- (d) BCA
- (e) CBA

**Directions (27–30):** Rearrange the given phrases/sentences into a meaningful and grammatically correct sentence and select the correct sequence.

**Q27.** (A) the rising cost of living (B) financial hardship for (C) has created serious (D) millions of households (E) across the country

- (a) ACBDE
- (b) CABDE
- (c) ACBDE
- (d) DEABC
- (e) CEDAB

**Q28. (A) researchers believe that (B) a major driver of (C) deforestation remains (D) illegal logging is (E) biodiversity loss globally**

- (a) BCAED
- (b) CABED
- (c) ADCBE
- (d) DCABE
- (e) No rearrangement possible

**Q29. (A) cities must invest (B) in sustainable public (C) to reduce carbon (D) transport systems (E) emissions significantly**

- (a) EBCDA
- (b) CAEBD
- (c) EBACD
- (d) ABDCE
- (e) ABCED

**Q30. (A) access to quality (B) remains a distant dream (C) education for all (D) in many developing (E) nations even today**

- (a) DEABC
- (b) EDABC
- (c) No rearrangement possible
- (d) ACDBE
- (e) CEDAB

## SECTION II : QUANTITATIVE APTITUDE (Questions 31–65)

**Q31. Train P running at 54 km/hr crosses Train Q in 15 seconds. If the sum of lengths of Train P and Q is 450 metres and both trains run in opposite directions, find the speed of Train Q (in km/hr).**

- (a) 36 km/hr
- (b) 54 km/hr
- (c) 72 km/hr
- (d) 90 km/hr
- (e) 108 km/hr

**Q32. A invests Rs. Y in a business. After 3 months, B joins with Rs. 3Y. After another 3 months, A doubles his investment. If the total profit at year-end is Rs. 19,800, find A's share of profit.**

- (a) Rs. 7,200
- (b) Rs. 8,400
- (c) Rs. 9,000
- (d) Rs. 9,600
- (e) Rs. 10,800

**Q33. A person invested amounts in two schemes in the ratio 3 : 2 at 15% p.a. and 20% p.a. compound interest respectively. If the total interest earned after two years is Rs. 2,042, find the total amount invested.**

- (a) Rs. 8,000
- (b) Rs. 7,500
- (c) Rs. 6,500
- (d) Rs. 6,000
- (e) Rs. 5,500

**Q34. The sum of the breadth of a rectangle and the side of a square is 56 m. The perimeter of the rectangle is 100 m and its length is 32 m. Find the area of the square (in m<sup>2</sup>).**

- (a) 576
- (b) 625
- (c) 529
- (d) 484
- (e) 400

**Q35. The ratio of efficiencies of A, B and C is 3 : 4 : 6. If all three together complete a task in 6 days, in how many days will B alone complete 5/8 of the same task?**

- (a) 10
- (b) 12
- (c) 15
- (d) 18
- (e) 20

**Directions (36–40):** Two equations in  $x$  and  $y$  are given. Solve both and choose the correct relation: (a)  $x > y$  (b)  $x < y$  (c)  $x \geq y$  (d)  $x \leq y$  (e)  $x = y$  or no relation

**Q36.** I.  $3x^2 - 10x + 8 = 0$  II.  $2y^2 - 7y + 6 = 0$

- (a)  $x > y$
- (b)  $x < y$
- (c)  $x \geq y$
- (d)  $x \leq y$
- (e)  $x = y$  or no relation

**Q37.** I.  $x^2 + 18x + 77 = 0$  II.  $y^2 + 13y + 42 = 0$

- (a)  $x > y$
- (b)  $x < y$
- (c)  $x \geq y$
- (d)  $x \leq y$
- (e)  $x = y$  or no relation

**Q38.** I.  $x^2 = 9$  II.  $y^2 - 8y + 15 = 0$

- (a)  $x > y$
- (b)  $x < y$
- (c)  $x \geq y$
- (d)  $x \leq y$
- (e)  $x = y$  or no relation

**Q39.** I.  $x^2 - 7x - 18 = 0$  II.  $3y^2 - 11y + 10 = 0$

- (a)  $x > y$
- (b)  $x < y$
- (c)  $x \geq y$
- (d)  $x \leq y$
- (e)  $x = y$  or no relation

**Q40.** I.  $4x^2 + 9x + 2 = 0$  II.  $6y^2 + 13y + 6 = 0$

- (a)  $x > y$
- (b)  $x < y$
- (c)  $x \geq y$
- (d)  $x \leq y$
- (e)  $x = y$  or no relation

**Q41.** The population of a town first increased by 15% and then decreased by 20% during a two-year period. If the population three years ago was 20,000, find the current population.

- (a) 18,200
- (b) 18,400
- (c) 18,000
- (d) 19,000
- (e) 17,600

**Q42.** A trader marks a jacket 60% above its cost price and then gives successive discounts of 12.5% and 20%. If the difference between the marked price and the selling price is Rs. 340, find the cost price.

- (a) Rs. 1,200
- (b) Rs. 1,500
- (c) Rs. 1,800
- (d) Rs. 2,000
- (e) Rs. 2,500

**Q43.** The speed of a boat downstream exceeds its upstream speed by 8 km/hr. The ratio of the boat's speed in still water to stream speed is 7 : 2. Find the time taken to travel 63 km downstream and 40 km upstream.

- (a) 8 hr
- (b) 9 hr
- (c) 9.5 hr
- (d) 10 hr
- (e) 10.5 hr

**Q44.** A vessel contains a mixture of milk and water in the ratio 7 : 3. If 20 litres of the mixture is removed and replaced with water, the new ratio of milk to water becomes 3 : 2. Find the initial volume of the mixture.

- (a) 60 L

- (b) 80 L
- (c) 100 L
- (d) 120 L
- (e) 140 L

**Q45.** The ratio of present ages of P and Q is 5 : 7. The average present age of Q and R is 40 years. Six years ago, the sum of ages of P and Q was 60 years. Find the difference between present ages of P and R.

- (a) 6 years
- (b) 8 years
- (c) 10 years
- (d) 12 years
- (e) 14 years

**Directions (46–50):** The table below shows the number of smartphones (in thousands) sold by five companies — M, N, O, P and Q — across four quarters of 2020. Study the data carefully and answer the questions.

| Company | Q1 | Q2 | Q3 | Q4 |
|---------|----|----|----|----|
| M       | 18 | 22 | 25 | 30 |
| N       | 15 | 18 | 20 | 22 |
| O       | 20 | 24 | 28 | 32 |
| P       | 12 | 15 | 18 | 20 |
| Q       | 25 | 30 | 35 | 40 |

**Q46.** What is the total number of smartphones (in thousands) sold by company O across all four quarters?

- (a) 94
- (b) 100
- (c) 104
- (d) 108
- (e) 112

**Q47.** Sales of company M in Q3 is what percentage more than sales of company P in Q2?

- (a) 55.5%
- (b) 60%
- (c) 62.5%
- (d) 66.67%
- (e) 70%

**Q48.** Find the average sales (in thousands) of all five companies in Q4.

- (a) 26.4
- (b) 27.2
- (c) 28.8
- (d) 29.4
- (e) 30

**Q49.** If company N's Q1 sales were split equally between its urban and rural segments, and 3,000 more units from the rural segment were sold online, how many units from the rural segment were sold offline?

- (a) 4,000
- (b) 4,500
- (c) 5,500
- (d) 6,500
- (e) 7,500

**Q50.** What is the ratio of total sales of company Q in the first half (Q1+Q2) to the total sales of company M in the second half (Q3+Q4) of 2020?

- (a) 5 : 4
- (b) 11 : 10
- (c) 55 : 44
- (d) 11 : 11
- (e) None of these

**Directions (51–65):** What will come in place of the question mark (?) in each of the following questions?

**Q51.  $(? \div 6 \div 4) \times 18 + 96 = 510$**

- (a) 480
- (b) 504
- (c) 528
- (d) 576
- (e) 612

**Q52.  $(?)^{(3 \times 12 \div 9 + 1)} + 14^2 = 393$**

- (a) 3
- (b) 5
- (c) 7
- (d) 9
- (e) 4

**Q53.  $60\% \text{ of } 250 + \sqrt{25/5} \times 6 = ? + 12$**

- (a) 141
- (b) 144
- (c) 147
- (d) 150
- (e) 153

**Q54.  $\blacksquare 3375/5 + \sqrt{144} + ? = 31$**

- (a) 13
- (b) 14
- (c) 15
- (d) 16
- (e) 17

**Q55.  $(18)^2 + 207 + (7)^2 = (?)^2$**

- (a) 20
- (b) 25
- (c) 30
- (d) 22
- (e) 28

**Q56.  $32.5 \times 28 + 3024 \div 7 = (35)^2 - ?$**

- (a) 41
- (b) 45
- (c) 49
- (d) 53
- (e) 57

**Q57.  $53 \times 32 + 12480 \div 8 + 124 = ?$**

- (a) 3,380
- (b) 3,400
- (c) 3,420
- (d) 3,460
- (e) 3,500

**Q58.  $125.5 \times 4 + 3840 \div 6 - 165 \times 8 = ?$**

- (a) 88.5
- (b) 90.5
- (c) 92.5
- (d) 94.5
- (e) 96.5

**Q59.  $75\% \text{ of } ? = \sqrt{196} \times 52 + 35\% \text{ of } 6,000$**

- (a) 3,600
- (b) 3,800
- (c) 4,000
- (d) 4,200
- (e) 4,400

**Q60.  $? \times 36 \div 27 \times 24 = (720/120) \times (2160/216)$**

- (a) 1
- (b) 2

- (c) 3
- (d) 4
- (e) 5

**Q61.  $? + 15 \times 40 = 380 + 55\% \text{ of } 600 + 190$**

- (a) 200
- (b) 220
- (c) 240
- (d) 260
- (e) 280

**Q62.  $15\% \text{ of } ? + 17.5\% \text{ of } 840 = 18 \times 15$**

- (a) 880
- (b) 900
- (c) 920
- (d) 960
- (e) 1,000

**Q63.  $18 \times ? + 25\% \text{ of } 360 = 450$**

- (a) 16
- (b) 18
- (c) 20
- (d) 22
- (e) 24

**Q64.  $80\% \text{ of } (5/6) \times (9/10) \times 2,700 = ? + 550$**

- (a) 380
- (b) 430
- (c) 470
- (d) 530
- (e) 580

**Q65.  $?\% \text{ of } 1,200 + 450 = 5 \times 186$**

- (a) 25
- (b) 30
- (c) 35
- (d) 40
- (e) 45

### SECTION III : REASONING ABILITY (Questions 66–100)

**Directions (66–70): Study the following information carefully and answer the questions.**

Eight shelves in a library are numbered 1 to 8 from bottom to top. Each shelf holds exactly one category of books. Fiction is on shelf 5. Science is immediately below Fiction. History is exactly two shelves above Science. Mathematics is immediately above History. Only one shelf is between Geography and Mathematics, with Geography above Mathematics. Biography is immediately below Geography. Technology is at the bottom. Self-Help occupies the remaining shelf.

**Q66. Which category of books is on Shelf 7?**

- (a) Geography
- (b) Biography
- (c) Mathematics
- (d) History
- (e) Self-Help

**Q67. How many shelves are there between Technology and Science?**

- (a) None
- (b) One
- (c) Two
- (d) Three
- (e) More than three

**Q68. Which shelf holds Biography?**

- (a) Shelf 3
- (b) Shelf 5

- (c) Shelf 6
- (d) Shelf 7
- (e) Shelf 8

**Q69. Which category is placed immediately above Fiction?**

- (a) Mathematics
- (b) Geography
- (c) Self-Help
- (d) Biography
- (e) History

**Q70. How many shelves are between Mathematics and Fiction?**

- (a) None
- (b) One
- (c) Two
- (d) Three
- (e) More than three

**Q71. In the word 'JOURNALIST', all vowels are replaced by their immediately following letter in the alphabet and all consonants are replaced by their immediately preceding letter in the alphabet. How many letters in the new arrangement are the same as in the original word?**

- (a) None
- (b) One
- (c) Two
- (d) Three
- (e) More than three

**Directions (72–76): Study the following information carefully and answer the questions.**

Six players — P, Q, R, S, T and U — are arranged in descending order of their scores. P is not the highest scorer. R scores more than S and U. S scores more than Q and T but not more than P. Q and T are not the lowest scorer. P is not immediately higher than R. U scores more than Q, who is not the 3rd highest scorer. The 2nd lowest scorer has 35 points. Total of Q and T is 78 points. The highest scorer has exactly double the points of the 2nd lowest scorer. T scores immediately less than U. Total of all six players is 285 points.

**Q72. What could be the possible score of R?**

- (a) 42
- (b) 56
- (c) 38
- (d) 48
- (e) None of these

**Q73. The number of players scoring more than S equals the number of players scoring less than \_\_?**

- (a) P
- (b) T
- (c) Q
- (d) U
- (e) None of these

**Q74. If T scores 8 points less than Q and R scores 7 points more than U, what is P's score?**

- (a) 58
- (b) 62
- (c) 65
- (d) 70
- (e) None of these

**Q75. Four of the following five form a group based on a pattern. Which does NOT belong to the group?**

- (a) P–Q
- (b) R–P
- (c) T–Q
- (d) Q–T
- (e) R–S

**Q76. Which of the following statements is definitely TRUE?**

- (a) Only one player scores less than U.
- (b) T is the lowest scorer.

- (c) P scores more than U.
- (d) Score of P is 70.
- (e) None is true

**Directions (77–80):** In each question, a relationship is shown in the statements. Based on the statements, decide which conclusion follows. Give answer: (a) Only I is true (b) Only II is true (c) Either I or II is true (d) Neither I nor II is true (e) Both I and II are true

**Q77. Statements:**  $M > N \geq O = P > Q \leq R$  **Conclusions:** I.  $P < M$  II.  $R \geq O$

- (a) Only I
- (b) Only II
- (c) Either I or II
- (d) Neither I nor II
- (e) Both I and II

**Q78. Statements:**  $A = B \geq C \geq D = E \leq F \leq G$  **Conclusions:** I.  $D < B$  II.  $E = B$

- (a) Only I
- (b) Only II
- (c) Either I or II
- (d) Neither I nor II
- (e) Both I and II

**Q79. Statements:**  $X > V \geq T > S \leq U < W$  **Conclusions:** I.  $X > U$  II.  $W > S$

- (a) Only I
- (b) Only II
- (c) Either I or II
- (d) Neither I nor II
- (e) Both I and II

**Q80. Statements:**  $J < K \leq L < M > N \leq O$  **Conclusions:** I.  $M > K$  II.  $J < L$

- (a) Only I
- (b) Only II
- (c) Either I or II
- (d) Neither I nor II
- (e) Both I and II

**Q81.** In the number '716482935', how many digits remain at the same position after arranging all digits in descending order from left to right?

- (a) None
- (b) One
- (c) Two
- (d) Three
- (e) More than three

**Directions (82–86):** Study the following information carefully and answer the questions.

Eight friends — J, K, L, M, N, O, P and Q — were born in different months of the year, either on the 8th or the 22nd. They were born across four years: 2000, 2001, 2002 and 2003, with exactly two people born in each year. N was born in an odd-numbered year but is not the youngest. More than two people were born between N and L. K was born just after L. The number of people born before K equals the number born after M. O was born after P and before J, and all three share the same date. Q was born before P.

**Q82.** How many people were born before N?

- (a) None
- (b) One
- (c) Two
- (d) Three
- (e) More than three

**Q83.** In which year was M born?

- (a) 2000
- (b) 2003
- (c) Either 2000 or 2003
- (d) 2001
- (e) 2002

**Q84.** How many people were born between Q and J?

- (a) Two
- (b) Four
- (c) Three
- (d) One
- (e) None of these

**Q85. Four of the following five are alike in a certain way and form a group. Which does NOT belong to the group?**

- (a) L
- (b) M
- (c) N
- (d) K
- (e) O

**Q86. The number of persons born between O and K is the same as between \_\_\_ and \_\_\_?**

- (a) N, J
- (b) M, K
- (c) Q, L
- (d) L, N
- (e) None of these

**Directions (87–90):** In each question, some statements are followed by two conclusions. Assuming the statements are true (even if they seem contrary to known facts), decide which conclusion logically follows. Give answer: (a) Both I and II follow (b) Only II follows (c) Only I follows (d) Neither I nor II follows (e) Either I or II follows

**Q87. Statements:** Only a few Rivers are Lakes. Only a few Ponds are Lakes. All Ponds are Wells.

**Conclusions:** I. All Rivers being Ponds is a possibility. II. Some Rivers are not Wells.

- (a) Both I and II
- (b) Only II
- (c) Only I
- (d) Neither I nor II
- (e) Either I or II

**Q88. Statements:** Only a few Tables are Chairs. No Chair is Sofa. All Sofas are Cushions.

**Conclusions:** I. All Tables can be Sofas. II. Some Cushions are not Chairs.

- (a) Both I and II
- (b) Either I or II
- (c) Only I
- (d) Neither I nor II
- (e) Only II

**Q89. Statements:** Some Roses are not Lilies. Some Lilies are Orchids.

**Conclusions:** I. Some Orchids are Roses. II. No Orchid is a Rose.

- (a) Only I
- (b) Either I or II
- (c) Both I and II
- (d) Neither I nor II
- (e) Only II

**Q90. Statements:** Only Mangoes are Fruits. Some Mangoes are Berries.

**Conclusions:** I. Some Fruits being Berries is a possibility. II. All Mangoes can be Fruits.

- (a) Both I and II
- (b) Only I
- (c) Either I or II
- (d) Neither I nor II
- (e) Only II

**Directions (91–95):** Study the following information carefully and answer the questions.

Eight persons — A, B, C, D, E, F, G and H — board a train one after another (not necessarily in that order). At most two persons board before C. Exactly one person boards between C and A. B boards just before G. One person boards between B and A. F boards just before D. H boards after E and before F.

**Q91. How many persons board after A?**

- (a) None
- (b) Two

- (c) More than three
- (d) One
- (e) None of these

**Q92. Who boards immediately after D?**

- (a) E
- (b) C
- (c) H
- (d) B
- (e) None of these

**Q93. If all persons are rearranged in reverse alphabetical order starting from H, how many persons (excluding H) remain at the same position?**

- (a) One
- (b) None
- (c) Two
- (d) Four
- (e) More than four

**Q94. Who boards exactly between C and A?**

- (a) E
- (b) H
- (c) F
- (d) B
- (e) None of these

**Q95. How many persons board between F and B?**

- (a) Four
- (b) Three
- (c) Two
- (d) None
- (e) One

**Q96. How many pairs of letters are there in the word 'FRANCHISE' that have as many letters between them as in the English alphabetical series (counting from both forward and backward directions)?**

- (a) Two
- (b) One
- (c) Three
- (d) None
- (e) More than three

**Directions (97–100): Study the following number arrangement and answer the questions.**

**4 7 2 6 3 8 1 5 9 2 7 4 3 6 1 8 3 5 7 2 6 3 8 1 4 9 5 3 8 1 6 7**

**Q97. How many 3's are in the arrangement, each of which is immediately preceded by a digit greater than 5?**

- (a) None
- (b) One
- (c) Two
- (d) Three
- (e) More than three

**Q98. Which digit is 9th to the right of the 15th digit from the left end?**

- (a) 3
- (b) 8
- (c) 2
- (d) 7
- (e) 5

**Q99. If all odd digits are removed from the arrangement, which digit is 8th from the right end of the remaining sequence?**

- (a) 6
- (b) 4
- (c) 2
- (d) 8
- (e) None of these

**Q100. How many 8's are in the arrangement, each of which is immediately followed by a perfect square?**

- (a) None
  - (b) One
  - (c) Two
  - (d) Three
  - (e) More than three
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