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SPARDHAGURU SIKLL EDGE APTITUDE ACADEMY

IBPS RRB CLERK MODEL PAPER

Banking | SSC | NTPC

Questions designed strictly according to the IBPS RRB Clerk (Office Assistant) examination pattern.

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IBPS RRB Clerk Prelims

Model Paper Set 06

Time Allowed: 45 Minutes,

Total Questions: 80

Date: _____

Student Details

Name: _____

No of Questions Attempt: _____

Start Time: _____

End Time: _____

Test Rules & Scoring

Scoring Scheme: +1 for correct answers | **-0.25** for incorrect responses.

Writing Tool: Blue or black ballpoint pen only.

Test Discipline: Start only upon the invigilator's signal. Zero tolerance for malpractice.

Handover: Submit your response sheet to the invigilator before exiting the hall.

Office Use Only

Score Obtained: /

Invigilator Signature:

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2. **Evaluation Integrity:** Submissions showing evidence of AI assistance, automated solving, or external collusion will be immediately disqualified to preserve fair assessment standards across all cohorts.
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Quantitative Aptitude
Time: 20 min | Questions: 40

Number Series (Q1–Q5)

Q1. Find the missing number in the series:

4,7,12,21,38,?

A) 65 B) 69 C) 71
D) 73 E) 75

Q2. Find the missing number in the series:

12,14,29,88,353,?

A) 1240 B) 1450 C) 1766
D) 1820 E) 1925

Q3. Find the missing number in the series:

150,147,138,111,30,?

A) −213 B) −183 C) −153
D) −120 E) −95

Q4. Find the wrong number in the series:

5,9,17,33,64,129,257

A) 9 B) 33 C) 64
D) 129 E) 257

Q5. Find the missing number in the series:

8,12,24,60,180,?

A) 540 B) 630 C) 720
D) 810 E) 900

Quadratic Equations (Q6–Q10)

In each of these questions, two equations (I and II) are given. You have to solve both equations and establish the relation between x and y.

Options for Q6–Q10:

A) $x > y$
B) $x \geq y$
C) $x < y$
D) $x \leq y$
E) $x = y$or relationship cannot be established

Q6.
I. $2x^2 + 11x + 14 = 0$
II. $5y^2 + 27y + 10 = 0$
A) D B) C C) E
D) B E) A

Q7.
I. $x^2 - 7x + 12 = 0$
II. $y^2 - 12y + 35 = 0$
A) D B) C C) E
D) B E) A

Q8.
I. $x^2 - 9x + 20 = 0$
II. $y^2 - 11y + 30 = 0$
A) D B) C C) E
D) B E) A

Q9.
I. $2x^2 - 15x + 28 = 0$
II. $2y^2 - 19y + 44 = 0$
A) D B) C C) E
D) B E) A

Q10.
I. $x^2 = 196$

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II. $(y-14)^2 = 0$

A) D B) C C) E
D) B E) A

Simplification & Approximations (Q11–Q15)

Q11. What approximate value will come in place of the question mark (?) in the following question?

$\sqrt{441.01} + \sqrt[3]{1331.05} + (14.98)^2 = ?$

A) 245 B) 251 C) 260
D) 27 E) 290

Q12. 34.99% of $640.05 + \sqrt{196.02} \times 12.01 = ?$

A) 322 B) 344 C) 362
D) 390 E) 412

Q13. $(17.99)^2 - (11.02)^2 + \sqrt[3]{729.05} = ?$

A) 205 B) 211 C) 219
D) 230 E) 245

Q14. $\frac{5}{8}$ of $488 + \frac{3}{5}$ of $350 -$ 45% of $200 = ?$

A) 398 B) 412 C) 428
D) 445 E) 460

Q15. $(12.5 \times 16) \div 4 + \sqrt{676} - 15 = ?$

A) 55 B) 60 C) 64
D) 72 E) 80

Moderate to Difficult Arithmetic Word Problems (Q16–Q40)

Q16. A vessel contains a mixture of milk and water in the ratio 7: 3. When 40 litresof mixture is replaced with pure milk, the ratio of milk to water becomes 17: 7. Find the initial total quantity of the mixture in the vessel.

A) 200 L B) 240 L C) 280 L
D) 320 L E) 350 L

Q17. A man invests a certain sum of money at compound interest compounding annually. It amounts to ₹4,840 in 2 years and to ₹5,324 in 3 years. Find the annual rate of interest.

A) 8% B) 9% C) 10%
D) 12% E) 15%

Q18. Pipe A and Pipe B can fill an empty cistern in 12 hoursand 16 hoursrespectively, while Pipe C can empty the full cistern in 24 hours. If all three pipes are opened together when the cistern is empty, in how much time will it be filled?

A) 8 hours B) $9\frac{3}{5}$ hours C) $10\frac{1}{2}$ hours
D) 12 hours E) 14 hours

Q19. The average age of a family of 5 members 4 years ago was 28 years. A baby was born in the interim period, and the current average age of the family remains the same. What is the age of the baby?

A) 1 year B) 2 years C) 3 years
D) 4 years E) 5 years

Q20. A shopkeeper marks up his goods by 40%above the cost price and allows a successive discount of 10%and 5%. Find his overall percentage profit.
A) 22.4% B) 24.2% C) 25.4%
D) 27.6% E) 30%

Q21. Two trains start simultaneously from stations P and Q towards each other at speeds of 60 km/hrand 75 km/hrrespectively. When they meet, it is found that one train has travelled 90 kmmore than the other. What is the distance between P and Q?
A) 720 km B) 810 km C) 900 km
D) 990 km E) 1050 km

Q22. A container has 80 litresof pure milk. From this, 8 litresis taken out and replaced with water. This process is done a second time. What is the final quantity of milk left in the container?
A) 64.8 L B) 65.6 L C) 66.2 L
D) 68.4 L E) 70.2 L

Q23. In a mixture of 75 litres, the ratio of milk to water is 2: 1. What quantity of water must be added to make the ratio of milk to water 1: 2?
A) 50 L B) 65 L C) 75 L
D) 85 L E) 90 L

Q24. The present ages of A and B are in the ratio 5: 7. Four years hence, the ratio of their ages will be 3: 4. Find the present age of B.
A) 28 years B) 35 years
C) 42 years
D) 49 years E) 56 years

Q25. A sum amounts to ₹7,200 in 2 years and ₹9,600 in 5 years at simple interest. Find the principal amount.
A) ₹4,800 B) ₹5,200 C) ₹5,600
D) ₹6,000 E) ₹6,400

Q26. A boat goes 30 kmupstream and 44 kmdownstream in 10 hours. Also, it can go 40 kmupstream and 55 kmdownstream in 13 hours. Find the speed of the stream.
A) 2 km/hr B) 3 km/hr
C) 4 km/hr D) 5 km/hr
E) 6 km/hr

Q27. A person sells an article at a profit of 20%. Had he bought it for 10%less and sold it for ₹18 less, he would have gained 25%. Find the cost price of the article.
A) ₹120 B) ₹150 C) ₹180
D) ₹200 E) ₹240

Q28. The internal length, breadth, and height of a rectangular room are 12 m, 8 m, and 5 mrespectively. Find the cost of whitewashing all four

walls and the ceiling at the rate of ₹15 per m^2.
A) ₹4,200 B) ₹4,800 C) ₹5,100
D) ₹5,400 E) ₹6,000

Q29. A bag contains 3 red, 4 blue, and 5 green balls. Two balls are drawn at random. What is the probability that both balls are of different colors or specifically that at least one is red? Let's simplify: What is the probability that both are red?
A) $\frac{1}{22}$ B) $\frac{3}{22}$ C) $\frac{5}{22}$
D) $\frac{7}{22}$ E) $\frac{9}{22}$

Q30. A and B together can complete a work in 12 days, B and C together in 15 days, and C and A together in 20 days. In how many days can C alone complete the work?
A) 30 days B) 40 days C) 50 days
D) 60 days E) 80 days

Q31. The radius of a cylinder is increased by 20%and its height is decreased by 10%. What is the percentage change in its volume?
A) +25.2% B) +27.4%
C) +29.6% D) +31.2%
E) +35.0%

Q32. An article is listed at ₹800. A customer buys it for ₹576 after two successive discounts. If the first discount is 20%, what is the percentage of the second discount?
A) 10% B) 12.5% C) 15%
D) 18% E) 20%

Q33. Three partners invest capitals in the ratio 5: 7: 8. At the end of the business year, they receive profits in the ratio 5: 14: 16. Find the ratio of the periods for which their capitals were invested.
A) 1: 2: 2 B) 2: 3: 3 C) 3: 4: 4
D) 1: 1: 2 E) 2: 2: 3

Q34. The average of 9 numbers is 50. The average of the first 5 numbers is 45, and the average of the last 3 numbers is 55. Find the 6th number.
A) 60 B) 65 C) 70
D) 75 E) 80

Q35. The difference between compound interest and simple interest on a certain sum of money at 10%per annum for 2 years is ₹155. Find the principal sum.
A) ₹12,500 B) ₹15,000
C) ₹15,500 D) ₹18,000
E) ₹20,000

Q36. A man covers a certain distance by car at 40 km/hrand returns at 60 km/hr. What is his average speed for the entire journey?
A) 45 km/hr B) 48 km/hr
C) 50 km/hr D) 52 km/hr
E) 54 km/hr

Q37. In an election between two candidates, 10%of the voters did not cast their votes, and 10%of the votes polled were declared invalid. The winning candidate received 56%of the valid votes and won by a majority of 1458 votes. Find the total number of registered voters in the voting list.
A) 20,000 B) 22,500 C) 25,000
D) 27,500 E) 30,000

Q38. A vendor sells milk at its cost price but mixes water in it, thereby gaining 25%. What is the ratio of milk to water in the mixture?
A) 1: 4 B) 3: 1 C) 4: 1
D) 5: 1 E) 2: 3

Q39. The perimeter of a rectangular field is 160 m, and the ratio of its length to breadth is 5: 3. Find the area of the field.
A) 1200 m^2 B) 1350 m^2
C) 1500 m^2 D) 1650 m^2
E) 1800 m^2

Q40. Three taps A, B, and C can fill an overhead tank in 12, 15, and 20 hours respectively. If tap A is open all the time, and taps B and C are opened for one hour each alternately starting with B, in how many hours will the tank be filled?
A) 5 hour B) 6 hours C) 7 hours
D) 8 hours E) 9 hours

Reasoning
Time: 25 Min | Questions: 40

PART I: INEQUALITIES & SYLLOGISMS
(Q1 – Q10)
Inequalities (Q1 – Q5)
Directions (Q1–Q5): In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions. Choose the correct answer.

Q1. Statements: $P \geq Q = R > S \leq T$
Conclusions:
I. $P > S$
II. $P = S$
A) Only conclusion I is true
B) Only conclusion II is true
C) Either conclusion I or II is true
D) Neither conclusion I nor II is true
E) Both conclusions I and II are true

Q2. Statements: $A < B \leq C = D > E$
Conclusions:
I. $A < D$
II. $C > E$
A) Only conclusion I follows
B) Only conclusion II follows
C) Either I or II follows
D) Neither I nor II follows
E) Both I and II follow

Q3. Statements: $M \geq N > O \geq P = Q$
Conclusions:
I. $M > P$

II. $N > Q$
A) Only conclusion I follows
B) Only conclusion II follows
C) Either I or II follows
D) Neither I nor II follows
E) Both I and II follow

Q4. Statements: $X \leq Y < Z = W \geq V$
Conclusions:
I. $X < W$
II. $Z \geq V$
A) Only conclusion I follows
B) Only conclusion II follows
C) Either I or II follows
D) Neither I nor II follows
E) Both I and II follow

Q5. Statements: $H > I \geq J = K < L$
Conclusions:
I. $H > K$
II. $I > L$
A) Only conclusion I follows
B) Only conclusion II follows
C) Either I or II follows
D) Neither I nor II follows
E) Both I and II follow

Syllogisms (Q6 – Q10)
Directions (Q6–Q10): In each question, some statements are given followed by conclusions. Choose the correct option.
Q6. Statements:
Some Markers are Pens.
All Pens are Books.
No Book is a Pencil.
Conclusions:
I. Some Markers are Books.
II. No Pen is a Pencil.
A) Only conclusion I follows
B) Only conclusion II follows
C) Either I or II follows
D) Neither I nor II follows
E) Both I and II follow

Q7. Statements:
All Laptops are Computers.
Some Computers are Tablets.
All Tablets are Mobiles.
Conclusions:
I. Some Mobiles are Laptops.
II. Some Computers are Mobiles.
A) Only conclusion I follows
B) Only conclusion II follows
C) Either I or II follows
D) Neither I nor II follows
E) Both I and II follow

Q8. Statements:
Only a few Cups are Glasses.
All Glasses are Plates.
Some Plates are Spoons.
Conclusions:
I. All Cups can never be Glasses.
II. Some Cups are Plates.
A) Only conclusion I follows
B) Only conclusion II follows
C) Either I or II follows
D) Neither I nor II follows
E) Both I and II follow

Q9. Statements:

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No Actor is a Singer.
All Singers are Dancers.
Some Dancers are Artists.
Conclusions:
I. Some Dancers are not Actors.
II. Some Artists are Singers.
A) Only conclusion I follows
B) Only conclusion II follows
C) Either I or II follows
D) Neither I nor II follows
E) Both I and II follow

Q10. Statements:
All Roads are Streets.
All Streets lanes are Highways.
Some Highways are Expressways.
Conclusions:
I. Some Highways are Roads.
II. All Roads are Highways.
A) Only conclusion I follows
B) Only conclusion II follows
C) Either I or II follows
D) Neither I nor II follows
E) Both I and II follow

PART II: CODING, DIRECTION & BLOOD RELATIONS (Q11 – Q20)
Coding-Decoding (Q11 – Q13)
Directions (Q11–Q13): Based on the given code language.
Q11. In a certain code language, **'BANK'** is written as **'CDQN'**, how is **'FAST'** written in that code language?
A) 'HCUW' B) 'GBRU' C) 'HBVU'
D) 'GCUW' E) 'HDVW'

Q12. If **'GARDEN'** is coded as **'IDTFGP'**, how is **'FLOWER'** coded?
A) 'HNQYGT' B) 'HMPYFS'
C) 'INQYGT' D) 'HMPYGT'
E) 'HNPYFT'

Q13. In a code language, **'ROSE'** is coded as **'6821'** and **'CHAIR'** is coded as **'73456'**, then how is **'SEARCH'** coded?
A) '216347' B) '218347'
C) '215347' D) '281347'
E) '216437'

Direction Sense (Q14 – Q16)
Directions (Q14–Q16): Read the following directions carefully.
Q14. Point P is 10 m to the west of Point Q. Point R is 10 m to the south of Point Q. Point S is 10 m to the east of Point R. In which direction is Point P with respect to Point S?
A) North B) South-West
C) North-West D) East
E) South

Q15. A man starts walking from his home, walks 15 m towards North, turns right and walks 10 m, turns right again and walks 15 m, and finally turns left and walks 5 m. How far and in which direction is he from his starting point?
A) 15 m, East B) 10 m, West
C) 15 m, West D) 15 m, South
E) 10 m, East

Q16. If South-East becomes North, North-East becomes West, and so on, what will West become?
A) South-East B) North-West
C) South-West D) North-East
E) South

Blood Relations (Q17 – Q20)
Directions (Q17–Q20): Read the given information carefully.

Q17. Pointing to a photograph, a woman says, "He is the son of the only daughter of my father." How is the man in the photograph related to the woman?
A) Brother B) Son C) Nephew
D) Father E) Uncle

Q18. In a family of six members — A, B, C, D, E, and F — B is the son of C, but C is not mother of B. A and C are a married couple. D is the sister of C. E is the son of A. F is the brother of B. Who is the father of B?
A) A B) E C) F
D) Cannot be determined E) None of these

Q19. If $P + Q$ means P is the father of Q; $P - Q$ means P is the sister of Q; $P \times Q$ means P is the mother of Q, which of the following shows that A is the aunt of B?
A) $A - C + B$ B) $A \times C - B$
C) $A + C - B$ D) $A - C \times B$
E) None of these

Q20. How is D related to A in the expression: $A + B \times C - D$ (using symbols from Q19)?
A) Daughter B) Granddaughter
C) Niece D) Sister
E) Grandson

PART III: ALPHANUMERIC SERIES (Q21 – Q25)
Directions (Q21–Q25): Study the following series carefully and answer the questions:
4 $ B 7 K # 9 L % 3 P @ 8 M R & 2 W * 5 V

Q21. How many such numbers are there in the above arrangement, each of which is immediately preceded by a symbol and immediately followed by a letter?
A) None B) One C) Two
D) Three E) More than three

Q22. Which of the following is seventh to the left of the sixteenth element from the left end?
A) 9 B) L C) #
D) % E) 3

Q23. If all the symbols are dropped from the arrangement, which element will be fifth to the right of the tenth element from the left?
A) R B) M C) 8
D) 2 E) W

Q24. Four of the following five are alike in a certain way based on their positions in the series and thus form a group. Which one does not belong to that group?
A) *BK*7 B) 9%*L* C) *P*83
D) *R* ∗ 2 E) *W*5 ∗

Q25. What should come in place of the question mark (?) based on the series:
4B7, K#9, L%3, ?
A) P@8 B) 3P@ C) @8M
D) P8M E) 8MR

PART IV: PUZZLES & SEATING ARRANGEMENTS (Q26 – Q40)

Floor-Based Puzzle (Q26 – Q30)

Directions (Q26–Q30): Study the following information carefully.

Seven persons — P, Q, R, S, T, U, and V — live on separate floors in a 7-floor building (Ground floor is numbered 1, and topmost floor is numbered 7). Only three persons live above T. P lives immediately above T. Two persons live between P and R. S lives on an even-numbered floor below R. Q lives above V. U lives on one of the floors below S.

Q26. Who lives on the topmost floor (Floor 7)?
A) Q B) V C) R
D) P E) Cannot be determined

Q27. Who lives on Floor 1?
A) T B) S C) U
D) V E) R

Q28. How many persons live between Q and P?
A) One B) Two C) Three
D) Four E) None

Q29. Which of the following statements is true regarding S?
A) S lives on Floor 4
B) S lives immediately above U
C) S lives on the topmost floor
D) Three persons live above S
E) None is true

Q30. If T is related to R and P is related to V following a certain pattern, who is related to U?
A) P B) S C) R
D) Q E) T

Linear Seating Arrangement (Q31 – Q35)

Directions (Q31–Q35): Read the information below.

Five persons — A, B, C, D, and E — are sitting in a straight row facing North.
C sits second to the right of A.
B sits to the immediate left of C.
D is at one of the extreme ends.
E is immediate right of C.

Q31. Who sits at the extreme left end?

A) A B) B C) C
D) D E) E

Q32. Who sits in the exact middle of the row?
A) A B) B C) C
D) D E) E

Q33. What is the position of E with respect to D?
A) Second to the right
B) Third to the right
C) Fourth to the right
D) Immediate right
E) Fifth to the right

Q34. Who is sitting to the immediate left of B?
A) D B) A C) C
D) E E) No one

Q35. How many persons sit between D and C?
A) None B) One C) Two
D) Three E) Four

Box-Based Puzzle (Q36 – Q40)

Directions (Q36–Q40): Read the given information.

Six boxes — Box 1 to Box 6 — are stacked one above another, where Box 1 is at the bottom and Box 6 is at the top. Box 4 is placed immediately above Box 2. Two boxes are placed between Box 4 and Box 1. Box 3 is placed above Box 1 but not immediately. Box 5 is placed below Box 6.

Q36. Which box is placed at the topmost position (Box 6)?
A) Box 6 B) Box 5
C) Box 3 D) Box 4 E) Box 2

Q37. Which box is placed at the bottom (Box 1)?
A) Box 2 B) Box 3 C) Box 1
D) Box 5 E) Box 4

Q38. How many boxes are placed between Box 6 and Box 3?
A) One B) Two C) Three
D) Four E) None

Q39. Which box is placed immediately above Box 2?
A) Box 3 B) Box 4 C) Box 5
D) Box 6 E) None

Q40. Which of the following statements is true regarding Box 5?
A) It is at the bottom
B) It is placed immediately below Box 6
C) It is placed above Box 3
D) Both B and C
E) None is true

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