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PATHWAY TO SUCCESS

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Spardhaguru India Private Limited

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 02

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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IBPS RRB Clerk (Office Assistant) Prelims:

Quantitative Aptitude: 40 Questions
Time: 20 Min | 40 Marks
Section I: Simplification & Approximation (Q1 - Q5)

Q1.

$\sqrt{441} \times \sqrt{625} \div \sqrt{25} + (12)^2 = ?$

A) 315 B) 249 C) 265
D) 289 E) 301

Q2.

$(14.98)^2 + (19.99)^2 - (12.02)^2 = ?$

A) 513 B) 475 C) 485
D) 505 E) 460

Q3.

45% of $600 + \sqrt{?}\,\%$ of $500 = 380$

A) 484 B) 625 C) 900
D) 1296 E) 1600

Q4. What value should come in place of question mark (?):

$(18 \times 15) \div 6 - 12 = ? - \sqrt{169}$

A) 32 B) 45 C) 56
D) 40 E) 38

Q5. Find the value of (?):

$3\frac{1}{4} + 2\frac{1}{2} - 1\frac{3}{4} = ? - 2\frac{1}{8}$

A) $5\frac{1}{8}$ B) $6\frac{1}{8}$ C) $4\frac{3}{8}$
D) $3\frac{5}{8}$ E) $5\frac{3}{8}$

Number Series (Q6 - Q10)

Q6. Find the wrong number in the series:

4,6,12,30,90,315,1260

A) 6 B) 12 C) 30
D) 90 E) 315

Q7. Find the missing number in the series:

12,14,19,29,46, ?

A) 68 B) 72 C) 71
D) 75 E) 80

Q8. Find the missing number in the series:

5400,1800,450,90,15, ?

A) 2.5 B) 3 C) 5
D) 1.5 E) 4.5

Q9. Find the missing number in the series:

7,11,19,35,67, ?

A) 121 B) 131 C) 127
D) 135 E) 141

Q10. Find the missing number in the series:

2,3,8,27,112, ?

A) 565 B) 465 C) 345
D) 570 E) 450

Directions for Q11-Q15: In each of the following questions, two equations numbered I and II are given. You have to solve both equations and mark the appropriate option:

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

Q11: I. $x^2 - 15x + 56 = 0$
II. $y^2 - 17y + 72 = 0$
A) D B) E C) A
D) B E) C

Q12: I. $2x^2 + 9x + 9 = 0$
II. $2y^2 + 13y + 20 = 0$
B) D A) E C) A
D) B E) C

Q13: I. $x^2 = 196$
II. $y^2 - 26y + 169 = 0$
C) D B) E E) A
A) B D) C

Q14: I. $x^2 - 7x + 12 = 0$
II. $y^2 - 5y + 6 = 0$
D) D C) E E) A
A) B B) C

Q15: I. $3x^2 + 10x + 8 = 0$
II. $2y^2 + 11y + 14 = 0$
E) D C) E D) A
A) B B) C

Directions for Q16-Q20: Study the following table showing the number of items sold by 5 different stores (A, B, C, D, E) in two months (January and February).

Store	January	February
A	120	150
B	200	180
C	160	220
D	240	210
E	180	250

Q16. Find the ratio of total items sold by Store A in both months together to total items sold by Store D in both months together:
A) 9 : 15 B) 9 : 13 C) 3 : 5
D) 4 : 5 E) 2 : 3

Q17. Total items sold by all stores together in January is what percentage of total items sold by all stores together in February?
A) 88.5% B) 90.5% C) 92.3%
D) 95.2% E) 98.1%

Q18. What is the average number of items sold by Store B, C, and E together in February?
A) 200 B) 210 C) 215
D) 220 E) 225

Q19. The number of items sold by Store C in January is what percentage less/more than items sold by Store E in February?
A) 30% less B) 36% less

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C) 25% less D) 40% less
E) 20% less

Q20. Find the difference between total sales of January and February for Store C, D, and E combined:
A) 30 B) 40 C) 50
D) 60 E) 70

Q21. A sum of money becomes 3 times itself in 8 years at Simple Interest. In how many years will it become 7 times itself at the same rate?
A) 20 years B) 24 years
C) 28 years D) 32 years
E) 36 years

Q22. The ratio of present ages of A and B is 4: 5. After 6 years, the ratio of their ages becomes 5: 6. What is the present age of B?
A) 24 years B) 30 years
C) 35 years D) 40 years
E) 25 years

Q23. A shopkeeper marks an article 40% above its cost price and gives a successive discount of 10% and 5%. Find his overall profit percentage:
A) 22.4% B) 25.4% C) 26.8%
D) 28.2% E) 21.5%

Q24. Pipe A can fill an empty tank in 12 hours, while Pipe B can empty the full tank in 16 hours. Both pipes are opened together. In how many hours will the tank be completely filled?
A) 36 hours B) 42 hours
C) 48 hours D) 54 hours
E) 60 hours

Q25. A boat covers a distance of 60 km downstream in 4 hours and returns the same distance upstream in 6 hours. Find the speed of the current:
A) 2.5 km/hr B) 3 km/hr
C) 1.5 km/hr D) 2 km/hr
E) 3.5 km/hr

Q26. A container contains a mixture of milk and water in the ratio 5: 3. If 16 litres of mixture is replaced with 16 litres of milk, the new ratio of milk to water becomes 7: 3. Find the initial quantity of the mixture:
A) 64 litres B) 80 litres
C) 96 litres D) 112 litres
E) 128 litres

Q27. The average weight of 30 students in a class is 45 kg. If the weight of the teacher is included, the average weight increases by 1 kg. Find the weight of the teacher:
A) 72 kg B) 75 kg C) 76 kg
D) 80 kg E) 78 kg

Q28. A person invested Rs. P at 15% per annum Compound Interest for 2

years. If the total compound interest earned is Rs. 3225, find the value of P:
A) Rs. 8,000 B) Rs. 10,000
C) Rs. 12,000 D) Rs. 15,000
E) Rs. 9,500

Q29. A train running at a speed of 72 km/hr crosses a platform twice its length in 30 seconds. Find the length of the train:
A) 150 meters B) 200 meters
C) 250 meters D) 300 meters
E) 180 meters

Q30. A, B, and C entered into a partnership investing capitals in the ratio 2: 3: 5. After 4 months, A increases his capital by 50%. If the total profit at the end of a year is Rs. 43,000, find B's share in the profit:
A) Rs. 10,000 B) Rs. 12,000
C) Rs. 15,000 D) Rs. 18,000
E) Rs. 14,000

Q31. The perimeter of a rectangle is equal to the perimeter of a square whose area is 484 cm^2. If the length of the rectangle is 30 cm, find its breadth:
A) 12 cm B) 14 cm C) 16 cm
D) 18 cm E) 20 cm

Q32. A man sells an article at a profit of 20%. If he had bought it at 10% less and sold it for Rs. 12 less, he would have gained 25%. Find the initial cost price of the article:
A) Rs. 120 B) Rs. 150 C) Rs. 160
D) Rs. 200 E) Rs. 180

Q33. A container has 80 litres of pure milk. 8 litres of milk is taken out and replaced with water. This process is repeated once more. Find the final quantity of pure milk left in the container:
A) 64.8 litres B) 62.4 litres
C) 66.2 litres D) 68.0 litres
E) 60.5 litres

Q34. The speeds of three cars are in the ratio 2: 3: 5. Find the ratio of time taken by these cars to travel the same distance:
A) 15: 10: 6 B) 5: 3: 2
C) 3: 2: 1 D) 6: 4: 3
E) 10: 15: 25

Q35. A and B together can complete a piece of work in 15 days. B alone can complete the same work in 40 days. In how many days can A alone complete the work?
A) 20 days B) 24 days C) 25 days
D) 30 days E) 28 days

Q36. The average marks of 40 students is 72. Later it was found that a mark of 83 was misread as 33. Find the correct average marks:
A) 73.25 B) 73.00 C) 72.75

D) 74.00 E) 73.50

Q37. A sum of Rs. 12,000 amounts to Rs. 15,000 in 3 years at a certain rate of Simple Interest. If the rate is increased by 2%, what will be the new amount after 3 years?
A) Rs. 15,720 B) Rs. 15,900
C) Rs. 16,200 D) Rs. 15,600
E) Rs. 16,000

Q38. The difference between Compound Interest and Simple Interest on a certain sum at 10% per annum for 2 years is Rs. 150. Find the principal amount:
A) Rs. 12,000 B) Rs. 15,000
C) Rs. 18,000 D) Rs. 20,000
E) Rs. 25,000

Q39. Present ages of father and son are in the ratio 7: 3. After 10 years, the ratio of their ages will be 2: 1. Find the present age of the father:
A) 42 years B) 56 years
C) 63 years D) 70 years
E) 49 years

Q40. A man covers a certain distance at 60 km/hr and returns at 40 km/hr. Find his average speed for the entire journey:
A) 48 km/hr B) 50 km/hr
C) 52 km/hr D) 45 km/hr
E) 54 km/hr

Reasoning Ability
No of Questions: 40 Questions
Time: 25 min | 40 marks
Negative Mark: 0.25

Syllogism (Q1 - Q3)
Q1. Statements:
Only a few Solar are Wind.
All Wind are Hydro.
No Hydro is Thermal.
Conclusions:
I. Some Solar are not Wind.
II. No Wind is Thermal.
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

Q2. Statements:
All Matrix are Vector.
Only a few Vector are Scalar.
Some Scalar are Tensor.
Conclusions:
I. Some Matrix being Scalar is a possibility.
II. All Vector can never be Scalar.
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

Q3. Statements:
No Alpha is Beta.
All Beta are Gamma.
Some Gamma are Delta.
Conclusions:
I. Some Gamma are not Alpha.

II. All Delta being Alpha is a possibility.
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

Directions (Q4 - Q8):

Q4. Statement:

$$K \geq L > M = N \geq O > P$$

Conclusions:
I. $K > N$
II. $M > P$
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

Q5. Statement:

$$\mathbf{T < U \leq V = W < X \leq Y}$$

Conclusions:
I. $T < W$
II. $V < Y$
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

Q6. Statement:

$$A \geq B > C \leq D = E < F$$

Conclusions:
I. $A > D$
II. $C < F$
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

Q7. Statement:

$$G = H \geq I > J \geq K$$

Conclusions:
I. $G > K$
II. $H \geq J$
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

Q8. Statement:

$$P \leq Q < R \geq S = T > U$$

Conclusions:
I. $P < R$
II. $R > U$
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

Blood Relations & Direction/Distance (Q9 - Q12)

In a family of seven members (P, Q, R, S, T, U, V) with three generations:
R is the mother of P. P is the brother of S. S is the daughter of T. T is the son of U. V is the spouse of U.

Q9. How is S related to R?
A) Daughter B) Son
C) Sister D) Mother
E) Niece

Q10. How is U related to P?
A) Father

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B) Grandfather / Grandmother
C) Uncle
D) Brother E) Son

Set 2: Direction & Distance (Q11 - Q12)

Point X is 8 m North of Point Y. Point Z is 6 m East of Point Y. Point W is 4 m South of Point Z. Point V is 6 m West of Point W.

Q11. What is the shortest distance between Point Y and Point W?

A) 8 m B) 10 m C) $2\sqrt{13}$ m
D) 12 m E) 7 m

Q12. What is the position of Point V relative to Point X?

A) North-East B) South-West
C) South D) South-East
E) West

Directions (Q13 - Q15): Study the code logic to answer the questions:

"global market trade growth" → "ab cd ef gh"
"market profit share growth" → "cd ef ij kl"
"trade profit high risk" → "gh ij mn op"
"global share high value" → "ab kl mn qr"

Q13. What is the code for "trade"?

A) ab B) cd C) ef
D) gh E) ij

Q14. What does "kl" stand for?

A) global B) profit C) share
D) growth E) market

Q15. What could be the code for "growth risk"?

A) cd op B) ef op C) cd mn
D) Either A or B E) gh qr

Directions (Q16 - Q20):

Input: 42 desk 19 chair 85 bench 63 table
Step I: bench 42 desk 19 chair 63 table 85
Step II: bench chair 42 desk 19 table 63 85
Step III: bench chair desk 19 table 42 63 85
Step IV: bench chair desk table 19 42 63 85

Q16. How many steps are required to complete the rearrangement for the given input?

A) 3 B) 4 C) 5
D) 6 E) 2

Q17. Which element is 3rd to the left of "63" in Step III?

A) desk B) 19 C) table
D) chair E) 42

Q18. What is the position of "table" from the right end in Step II?

A) 2nd B) 3rd C) 4th
D) 5th E) 6th

Q19. In Step IV, which word/number immediately follows "desk"?

A) 19 B) chair C) table
D) 42 E) bench

Q20. What is the sum of the numbers which are second from the left and second from the right in Step I?
A) 105 B) 127 C) 61
D) 82 E) 104

Directions (Q21 - Q25):
A) Statement I alone is sufficient.
B) Statement II alone is sufficient.
C) Either Statement I or Statement II alone is sufficient.
D) Neither Statement I nor Statement II is sufficient.
E) Both Statements I and II together are necessary.

Q21. Six people (A, B, C, D, E, F) sit around a circle facing center. Who sits opposite to A?
Statement I: B sits second to the right of A. C sits immediate left of B.
Statement II: D sits third to the right of A.

Q22. What is the code for "bright" in a code language?
Statement I: "sun is bright" is coded as "la ma ta".
Statement II: "bright day light" is coded as "ta pa ra".

Q23. Among five persons P, Q, R, S, T, who is the tallest?
Statement I: P is taller than Q and R, but shorter than T.
Statement II: T is shorter than S.

Q24. In which direction is Point M with respect to Point N?
Statement I: Point M is 5 m North of Point P, which is 4 m East of Point N.
Statement II: Point N is 4 m West of Point Q, which is 5 m South of Point M.

Q25. How is K related to M?
Statement I: K is the brother of L, who is the mother of M.
Statement II: M is the son of L, who is the sister of K.

Set 3: Floor-Based Puzzle (Q26 - Q30)
Seven individuals, designated A, B, C, D, E, F, and G, reside on seven different floors of a building, with everyone occupying a separate floor. The floors are numbered consecutively from 1 to 7, beginning with the ground floor, which is designated Floor 1, and ending with the uppermost floor, which is designated Floor 7. G resides on an odd-numbered floor situated above Floor 3. Exactly two individuals occupy the floors between those occupied by G and B. A resides on the floor immediately above the floor occupied by B. The number of individuals residing on floors above A is equal to the number of individuals residing on floors below C. D occupies an even-numbered floor that is situated above the floor occupied by E. F resides on a floor below the floor occupied by E.
Q26. Who lives on the top floor

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

Q27. How many persons live between D and C?
A) One B) Two C) Three
D) Four E) None

Q28. Who lives immediately below E?
A) C B) F C) B D) A E) G

Q29. What is the position of A from the bottom floor?
A) 3rd B) 4th C) 5th
D) 6th E) 2nd

Q30. Four of the following five are alike in a certain way. Which one does not belong to the group?
A) G B) A C) C D) D E) F

Linear Parallel Row Seating Arrangement (Q31 - Q35)

Ten individuals are seated in two parallel rows, with each row accommodating exactly five individuals. The seating arrangement is such that each individual in one row faces an individual seated in the other row.

The five individuals designated P, Q, R, S, and T occupy the seats in Row 1. All five individuals seated in this row face south; consequently, references to their left and right must be interpreted with respect to their south-facing orientation.

The remaining five individuals, designated A, B, C, D, and E, occupy the seats in Row 2. All five individuals seated in this row face north, towards the individuals in Row 1. References to their left and right must therefore be interpreted with respect to their north-facing orientation. The relative positions of the individuals are governed by the following conditions. In Row 1, R occupies the seat second to the right of P, and the individual seated directly opposite R in Row 2 is A. B occupies the seat immediately to the right of A, so that A and B are seated next to each other in Row 2. Exactly one individual is seated between B and D in that row. S occupies a seat at one of the two extreme ends of Row 1, while T occupies the seat second to the left of S. Finally, E is not seated directly opposite T; in other words, E and T do not face each other in the arrangement.

Q31. Who faces S?
A) A B) B C) C D) D E) E

Q32. Who sits second to the left of C?
A) A B) B C) D D) E E) No one

Q33. Who among the following faces T?
A) E B) C C) D D) A E) B

Q34. What is the position of Q with respect to R?
A) Second to the left

B) Third to the left
C) Immediate right
D) Second to the right
E) Immediate left

Q35. Four of the following five are alike. Which one does not belong to the group?
A) S B) Q C) E D) B E) T

Set 5: Box-Based Puzzle (Q36 - Q40)
Seven boxes (H, I, J, K, L, M, N) are stacked one above another.
Box J is placed third from the top. Only two boxes are placed between Box J and Box M. Box H is placed immediately above Box M. As many boxes are placed above Box H as below Box L. Box K is placed above Box N but below Box I.

Q36. Which box is placed at the top of the stack?
A) I B) H C) K D) J E) L

Q37. How many boxes are placed between Box K and Box H?
A) One B) Two C) Three
D) Four E) None

Q38. Which box is placed immediately below Box L?
A) J B) H C) M D) N E) K

Q39. What is the position of Box N from the bottom?
A) 1st B) 2nd C) 3rd
D) 4th E) 5th

Q40. Which of the following statements is TRUE regarding Box J?
A) Box J is placed immediately above Box K
B) Box J is placed 3rd from the bottom
C) Only two boxes are placed above Box J
D) Box J is placed below Box L
E) Box J is placed at the bottom

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