## IBPS RRB Clerk Prelims 2022 Memory Based Paper

Direction (1-5): In these questions, relationship between different elements is show in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer:
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow.

Q1. Statements: $\mathrm{F}>\mathrm{R} \geq \mathrm{T}=\mathrm{E}>\mathrm{W} \leq \mathrm{Q}$
Conclusions: I. E $<$ F II. $\mathrm{Q} \geq \mathrm{T}$
Q2. Statements: $\mathrm{W}=\mathrm{G} \geq \mathrm{T}=\mathrm{C} \leq \mathrm{V} \leq \mathrm{B}$
Conclusions: I. W > C II. W = T
Q3. Statements: $K>I \geq G>F \leq T<R$
Conclusions: I. $\mathrm{K}>\mathrm{R} \quad$ II. $\mathrm{R}>\mathrm{G}$

Q4. Statements: $\mathrm{Q}>\mathrm{O} \geq \mathrm{P}=\mathrm{K}<\mathrm{U} \leq \mathrm{Z}$
Conclusions: I. Z > K
II. Q > U

Q5. Statements: $\mathrm{K}<\mathrm{G} \leq \mathrm{D}<\mathrm{C}>\mathrm{R} \leq \mathrm{Y}$
Conclusions: I. C > G II. K < D

Directions (6-10): Study the following sequence and answer the given questions.


Q6. Which of the following element is sixth to the left of the eighth element from the right end of the given arrangement?
(a) M
(b) 4
(c) G
(d) 3
(e) None of these

Q7. How many such letters are there in the given series which are immediately preceded by a symbol and immediately followed by a number?
(a) Two
(b) Four
(c) None
(d) Three
(e) More than four


Q8. If all the letters are dropped in the given series, which element will be eleventh from the right end?
(a) 4
(b) $\%$
(c) \&
(d) 5
(e) None of these

Q9. Which of the following element is fourth to the right of the ninth element from the left end of the given arrangement?
(a) 8
(b) K
(c) E
(d) P
(e) L

Q10. How many such symbols are there in the given series which are immediately preceded by a vowel and immediately followed by a number?
(a) None
(b) One
(c) Two
(d) Three
(e) More than three

Directions (11-15): Study the information given below and answer the given questions.
Six persons were born on two different dates either 11 or 22 of three different months viz. September, October and November. F was born on an odd date in the month which has even days. Two persons were born between $Q$ and $F$. More than two persons were born between $Q$ and T. R was born before $D$ and after B.

Q11. How many persons were born after R?
(a) Two
(b) One
(c) None
(d) Three
(e) None of these

Q12. Who was born on $11^{\text {th }}$ November?
(a) Q
(b) F
(c) D
(d) T
(e) None of these

Q13. Which of the following statement is true?
I. More than four persons were born after $T$
II. Two persons were born between B and D
III. At least one person was born after F
(a) Both II and III
(b) Only III
(c) Both I and II
(d) Only I
(e) All I, II and III

Q14. Who among the following was born in October?
(a) R
(b) Q
(c) D
(d) Both R and D
(e) Both Q and D

Q15. $\qquad$ persons were born after D.
(a) One
(b) Four
(c) Three
(d) Two
(e) None of these

Directions (16-18): Study the following information carefully and answer the questions given below:
There are seven members in a family in which two are married couples. S is grandmother of K. B is father-in-law of A. C is mother of D. J is brother of $K$ and his mother is D. J and $K$ are unmarried.

Q16. How is $S$ related to $D$ ?
(a) Mother
(b) Sister
(c) Mother-in-law
(d) Grandmother
(e) None of these

Q17. How is $C$ related to $K$ ?
(a) Mother
(b) Mother-in-law
(c) Paternal grandmother
(d) Maternal grandmother
(e) Can't be determined

Q18. How many female members in the family?
(a) Two
(b) Four
(c) Three
(d) Five
(e) Can't be determined

Q19. In the number '95273524', how many pairs of the digits have the same digits between them (both forward and backward direction) as in the number series?
(a) Four
(b) Two
(c) One
(d) Three
(e) More than four

Direction (20-24): Study the following information carefully and answer the questions given below:
Seven people sit around a circular table and they all are facing the center. One person sits between M and $K$. N sits $3^{\text {rd }}$ to the left of K . D is neither an immediate neighbour of M nor N . G sits $2^{\text {nd }}$ to the right of D .0 sits $2^{\text {nd }}$ to the left of $L$.

Q20. Who sits $4^{\text {th }}$ left of $D$ ?
(a) M
(b) K
(c) 0
(d) N
(e) None of these

Q21. What is the position of $G$ with respect to $N$ ?
(a) $3^{\text {rd }}$ to the left
(b) $2^{\text {nd }}$ to the right
(c) $3^{\text {rd }}$ to the right
(d) Immediate left
(e) None of these

Q22. How many persons sit between 0 and $M$ when counted to the left of M?
(a) More than four
(b) Three
(c) One
(d) Two
(e) None


Q23. Which of the following sits $2^{\text {nd }}$ to the right of $K$ ?
(a) G
(b) 0
(c) M
(d) L
(e) None of these

Q24. Which of the following statement is true?
I. N and O are immediate neighbors
II. D sits $2^{\text {nd }}$ to the left of 0
III. One person sits between L and G
(a) Both II and III
(b) Only I
(c) Only III
(d) Both I and II
(e) None is true

Q25. If it is possible to make a meaningful word with the second, fourth, fifth, and eighth letters of the word 'ACHIEVED', then which of the following will be the third letter from the right end of that meaningful word? If no meaningful word can be made, give ' $X$ ' as the answer. If more than one meaningful word can be made, give ' Y ' as the answer.
(a) $X$
(b) I
(c) Y
(d) D
(e) C

Directions (26-30): Study the following questions and answer them by referring to the word sequence given below:

## LAB FOX SIP BET WET

Q26. When first and third letter of each word is interchanged, then how many meaningful words will be formed?
(a) Three
(b) One
(c) Two
(d) Five
(e) None

Q27. If each Consonant is changed to its previous letter and each vowel is changed to its next letter according to the English alphabetical series, then how many words contain at least one vowel?
(a) None
(b) More than three
(c) Two
(d) Three
(e) None of these

Q28. If words are arranged according to the alphabetical series (as in the English dictionary) from left to right, which word will be third from the right end?
(a) LAB
(b) SIP
(c) BET
(d) WET
(e) FOX

Q29. If each letter in each word is arranged according to the English alphabetical series from left to right, then how many meaningful words will be formed?
(a) Three
(b) One
(c) Four
(d) Two
(e) None

Q30. How many letters between $1^{\text {st }}$ letter of $3^{\text {rd }}$ word from right end and $2^{\text {nd }}$ letter of $2^{\text {nd }}$ word from left end according to the English dictionary?
(a) Eight
(b) More than eleven
(c) Three
(d) Four
(e) None of these

Direction (31-34): Study the following information carefully and answer the questions given below:
Seven persons A, B, C, D, E, F and G live in a building of 7 floors but not necessarily in the same order. The ground floor is numbered as $1^{\text {st }}$ floor, just above floor is numbered as $2^{\text {nd }}$ floor and so on till the topmost floor is numbered as 7 th floor.
Less than three persons live above F. One floor gap between E and F who lives above E. G lives just above B who lives on even numbered floor. The number of floors above $D$ is same as the number of floors below A. C lives below A.

Q31. How many persons live below G ?
(a) None
(b) Two
(c) Six
(d) Four
(e) None of these

Q32. Who lives on the $5^{\text {th }}$ floor?
(a) D
(b) A
(c) F
(d) G
(e) C

Q33. The number of persons live above $B$ is same as the number of persons live below $\qquad$ .
(a) E
(b) A
(c) F
(d) C
(e) None of these

Q34. Which of the following statement is true?
I. F does not live on even floor
II. E lives above D
III. G lives on the $3^{\text {rd }}$ floor
(a) Only I
(b) Only II
(c) Both I and II
(d) Both II and III
(e) None is true

Q35. If each vowel of the word "QUALITY" is changed to the next letter of the English alphabets and each consonant is changed to the previous letter of the English alphabet, and then the alphabets thus formed are arranged in alphabetical order from left to right, which of the following will be fourth from the right end?
(a) K
(b) P
(c) V
(d) J
(e) None of these

Direction (36-39): In each of the questions below, some statements are given followed by some 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.
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow.

Q36. Statements: Only a few Grapes are Mango.
No Mango is Banana.
Only a few Banana are Papaya.
Conclusions: I. Some Mango are Papaya.
II. No Mango is Papaya.

Q37. Statements: Only a few City are Town.
All Town are Metro.
Conclusions: I. Some City are Metro.
II. All City being Town is a possibility.

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Q38. Statements: Some Dolphin are Turtle.
All Turtle are Rabbit.
A few Owl are Rabbit.
Conclusions: I. All Dolphin are Owl.
II. Some Dolphin are not Owl.

Q39. Statements: Only a few River are Mountain.
No Mountain is Concrete.
Some Concrete are not Bricks.
Conclusions: I. Some River are being Concrete is a possibility.
II. All Mountain can be river.

Q40. Find the odd one out?
(a) CBF
(b) KJM
(c) POS
(d) VUY
(e) SRV

Q41. If $y^{2}-x^{2}=72$ and $y-x=4$, then find the value of $(x \times y)$ ?
(a) 33
(b) 44
(c) 55
(d) 77
(e) 66

Q42. The ratio of length to breadth of a rectangle is $7: 3$ and the perimeter of the rectangle is 40 cm . Find the area (in $\mathrm{cm}^{2}$ ) of rectangle?
(a) 96
(b) 64
(c) 21
(d) 378
(e) 84

Q43. A man invested Rs. 1460 in each scheme A and B. If scheme A offers simple interest at 10\% p.a. for five years and scheme B offers simple interest at $10 \%$ p.a. for eight years, then find difference between interest (in Rs.) received from both schemes?
(a) 438
(b) 428
(c) 408
(d) 448
(e) 418

Q44. A man purchased two articles at same cost price and he sold one article at $18 \%$ loss and second at $30 \%$ profit. If total profit earned is Rs. 210 , then find the cost price (in Rs.) of each article?
(a) 1500
(b) 2000
(c) 2250
(d) 1750
(e) 1250

Q45. A man purchase three different articles A, B \& C and cost prices of these articles is Rs.52, Rs. 78 and Rs. 108 respectively. If number of each type of article purchase by man is equal and man spends total of Rs.1190, then find the number of each type of article purchased by the man?
(a) 8
(b) 4
(c) 6
(d) 7
(e) 5

Q46. The ratio of present age of $A$ to that of $B$ is $5: 4$ respectively. Four years hence, age of $A$ will be three years more than age of $B$ six years hence. Find the present age of $B$ ?
(a) 12 years
(b) 20 years
(c) 16 years
(d) 24 years
(e) 28 years

Q47. A vessel contains 120 liters mixture of milk and water in the ratio of $5: 3$. If 20 liters milk added in the vessel, then find the ratio of water to milk in resulting mixture?
(a) $7: 15$
(b) $11: 19$
(c) $8: 19$
(d) $9: 19$
(e) $7: 19$

Q48. A car cover 160 km in five hours at the speed of $\mathrm{xm} / \mathrm{h}$ and same distance cover by another car in 3 hour 20 minutes at the speed of $y \mathrm{~km} / \mathrm{hr}$. Find the value of $(x: y)$ ?
(a) $1: 3$
(b) $2: 3$
(c) $3: 4$
(d) $1: 4$
(e) $6: 7$

Q49. A boat takes five hours to cover certain distance in upstream and takes two hours to cover the same distance in downstream. If the speed of the stream is $3 \mathrm{~km} / \mathrm{hr}$, then find the distance?
(a) 40 km
(b) 30 km
(c) 10 km
(d) 20 km
(e) 60 km

Q50. A is $40 \%$ more efficient than B. If B takes 6 days more than A to complete a work, then in how many days ' A ' alone can complete the whole work?
(a) 10 days
(b) 15 days
(c) 21 days
(d) 24 days
(e) 12 days

Direction (51-55): What will come in the place of question (?) mark in following number series -
Q51. 2, $4, \quad 7,12,19, \quad ?$
(a) 32
(b) 30
(c) 36
(d) 34
(e) 40

Q52. 67, 98, 129, 160, ?, 222
(a) 193
(b) 195
(c) 191
(d) 197
(e) 199

Q53. 10, 18, 45, 109, ?, 450
(a) 231
(b) 232
(c) 234
(d) 236
(e) 239

Q54. 12, $16, \quad 25, \quad 41, \quad ?, \quad 102$
(a) 66
(b) 64
(c) 62
(d) 68
(e) 72

Q55. 15, 20, 25, 30, ?, 40
(a) 32
(b) 35
(c) 36
(d) 45
(e) 48

Direction (56-60): Table given below shows total three types (Sunflowers, lilies and Roses) of flowers used by an event management company in three different months. Read the data carefully and answer the questions.

| Flowers | January | February | March |
| :---: | :---: | :---: | :---: |
| Sunflowers | 68 | 112 | 96 |
| Lilies | 84 | 64 | 80 |
| Roses | 72 | 88 | 118 |

Q56. Total number of sunflowers used in January \& March together are what percentage more than total number of roses used in January \& February together?
(a) $2.5 \%$
(b) $5 \%$
(c) $1.5 \%$
(d) $4 \%$
(e) $3 \%$

Q57. Find the average number of all three types of flowers used by event management company in March?
(a) 91
(b) 90
(c) 97
(d) 93
(e) 98

Q58. Find the ratio of total number of roses used in January to total number of lilies used in January?
(a) $4: 3$
(b) $6: 5$
(c) $6: 7$
(d) $9: 4$
(e) $7: 6$

Q59. Total number of roses used in March is how much more than total number sunflowers used in January?
(a) 90
(b) 80
(c) 50
(d) 40
(e) 60

Q60. Find the total number of sunflowers used in all the given three months?
(a) 276
(b) 274
(c) 268
(d) 272
(e) 264

Direction (61-65): Line graph shows total quantity (in kg) of five different dry fruits sold by a shop. Read the data carefully and answer the questions.


Q61. If the ratio of dry to wet Walnut \& Pistachio sold by shop is $3: 2$ and $5: 3$ respectively, then find difference (in kg.) between total dry Walnut \& Pistachio sold by shop?
(a) 6
(b) 5
(c) 8
(d) 12
(e) 4

Q62. Find the ratio of total Almond to total Raisin sold by the shop?
(a) $3: 5$
(b) $2: 5$
(c) $1: 3$
(d) $2: 3$
(e) $1: 2$

Q63. If total Apricot sold by shop is 50\% more than total Cashew sold by the shop and total dry Apricot sold by shop is $40 \%$ less than total wet Apricot sold by shop, then find total (in kg.) dry Apricot sold by the shop?
(a) 45
(b) 36
(c) 40
(d) 30
(e) 60

Q64. Total Almonds \& Pistachio sold by shop is what percent more than total Cashew sold by the shop?
(a) $20 \%$
(b) $25 \%$
(c) $24 \%$
(d) $30 \%$
(e) $40 \%$

Q65. Find the difference between total Walnut \& Raisin sold by the shop and total Cashew \& Pistachio sold by the shop?
(a) 40 kg
(b) 5 kg
(c) 30 kg
(d) 20 kg
(e) 10 kg

Direction (66-80): What value should come in place of (?) in the following questions?
Q66. $\frac{510}{?}=\sqrt{324}+\sqrt{256}$
(a) 20
(b) 5
(c) 10
(d) 15
(e) 25

Q67. $3 \times ?^{2}=(5)^{2}+(7)^{2}+(17)^{2}$
(a) 12
(b) 13
(c) 10
(d) 11
(e) 15

Q68. $?^{2}=40 \%$ of $420+44 \%$ of 200
(a) 24
(b) 12

11111(c) 8
(d) 16
(e) 416

Q69. $2 \frac{1}{3}$ of $4 \frac{2}{7}$ of $3 \frac{1}{3}$ of $81=$ ?
(a) 2900
(b) 2500
(c) 2700
(d) 2300
(e) 2400

Q70. $\sqrt{256 \times 49}+(16)^{2}-\sqrt[3]{343}=(?)^{2}$
(a) 21
(b) 18
(c) 14
(d) 22
(e) 19

Q71. $\sqrt{256} \times \sqrt{169}+3600 \div 12=800-$ ?
(a) 312
(b) 280
(c) 292
(d) 324
(e) 296

Q72. $37.5 \times 14+800-(26)^{2}+136=$ ?
(a) 785
(b) 800
(c) 810
(d) 825
(e) 765

Q73. $\sqrt{12.25} \times 18-(6)^{2}-\sqrt{4}=(?)^{2}$
(a) 7
(b) 6
(c) 5
(d) 4
(e) 3

Q74. $(1350+1625) \div(625+565)=$ ?
(a) 1.5
(b) 2.5
(c) 1
(d) 2.25
(e) 2.75

Q75. $\sqrt{625} \div \sqrt[3]{64} \times 6=? \%$ of 150
(a) 5
(b) 25
(c) 15
(d) 20
(e) 22.5

Q76. $15 \times 26+310-(15)^{2}=20 \%$ of ?
(a) 2375
(b) 1825
(c) 2525
(d) 2150
(e) 1950

Q77. $3^{2} \times \sqrt{625}+35^{2}+150=(?)^{2}$
(a) 50
(b) 45
(c) 35
(d) 30
(e) 40

Q78. $6 \frac{3}{4}+3 \frac{6}{5}-7 \frac{7}{8}=?+1 \frac{7}{10}$
(a) $1 \frac{3}{8}$
(b) $\frac{9}{10}$
(c) $\frac{3}{5}$
(d) $\frac{5}{8}$
(e) $\frac{4}{7}$

Q79. $\sqrt{80 \% \text { of }(?+60)}=\frac{250}{3} \%$ of 12
(a) 45
(b) 35
(c) 65
(d) 55
(e) 25

Q80. $250 \%$ of $300-55 \times 40+2700=$ ?
(a) 1050
(b) 1250
(c) 1150
(d) 1350
(e) 1450

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