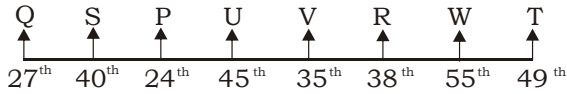


**IBPS PO SPECIAL PHASE -I MOCK TEST - 262 (SOLUTION)**

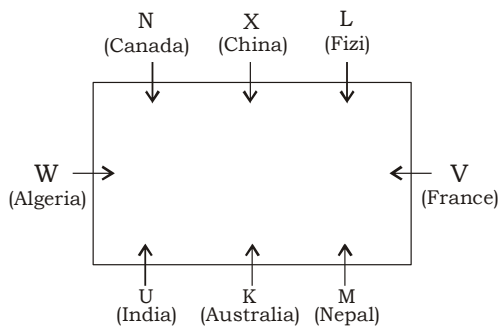
**REASONING**

(1-5):



1. (3)                      2. (2)                      3. (3)                      4. (2)                      5. (2)

(6-10):



6. (2)                      7. (4)                      8. (5)                      9. (3)                      10. (4)

(11-15):

© → ≥                      @ → <                      ® → =                      \$ → ≤                      # → >

11. (3) Combining all statements

$M \leq A > L \geq D$   
 I.  $M < L \rightarrow$  False  
 II.  $A \geq D \rightarrow$  False  
 III.  $D < A \rightarrow$  True  
 Only III is true

12. (2) Combining all statements

$W = X < M \leq K$   
 I.  $K < W \rightarrow$  False  
 II.  $M > W \rightarrow$  True  
 III.  $K > X \rightarrow$  True  
 II and III are true

13. (2) Combining all statements

$B < D \leq R \geq J$   
 I.  $J > B \rightarrow$  False  
 II.  $R > B \rightarrow$  True  
 III.  $J = D \rightarrow$  False  
 Only II is true

14. (5) Combining all statements

$G \geq K > H = F$   
 I.  $F < K \rightarrow$  True  
 II.  $F < G \rightarrow$  True  
 III.  $H < G \rightarrow$  True  
 All are true

15. (5) Combining all statements

$$H = O < V \leq K$$

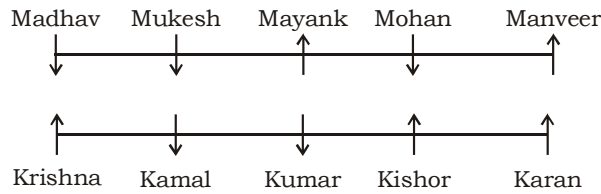
I.  $K > O \rightarrow \text{True}$

II.  $V > H \rightarrow \text{True}$

III.  $H < K \rightarrow \text{True}$

All are true

(16-20) :



16. (4)

17. (2)

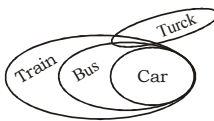
18. (3)

19. (5)

20. (2)

(21-25):

21. (2)



I. True

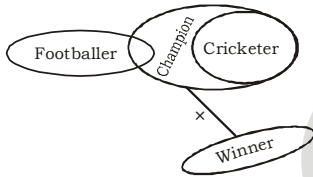
II. False

III. False

IV. False

Only I follows

22. (1)



I. False

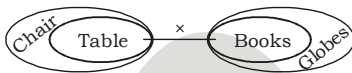
II. False

III. False

IV. False

None follows

23. (3)



I. Doubt

II. Doubt

III. False

IV. False

Either I or II follows

24. (4)



I. False

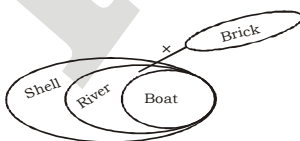
II. False

III. True

IV. False

Only III follows

25. (2)



I. True

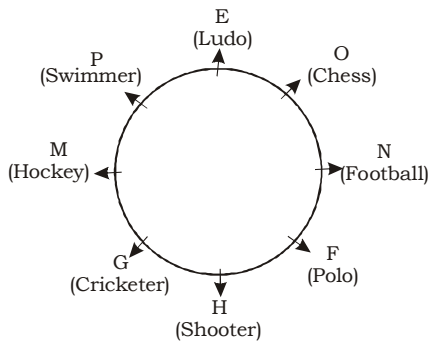
II. False

III. True

IV. False

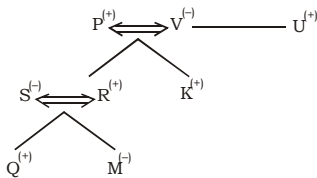
Only I and III follow

(26-30) :



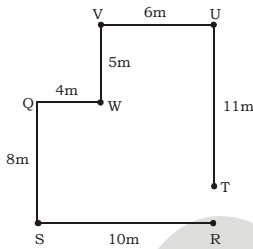
26. (3)      27. (4)      28. (2)      29. (2)      30. (3)

(31-32):



31. (1)      32. (5)      33. (4)

(34-35):



34. (5)      35. (3)

**Maths**

(36-41) :

36. (2) Required ratio =  $\frac{\frac{10}{100} \times 400 + \frac{10}{100} \times 250}{\frac{8}{100} \times 500 + \frac{10}{100} \times 360} = 65 : 75$

37. (1) Required average =  $\frac{\frac{8}{100} \times 500 + \frac{6}{100} \times 400 + \frac{10}{100} \times 360 + \frac{12}{100} \times 250}{4}$

$= \frac{130}{4} = \frac{65}{2} = 32\frac{1}{2}$

38. (3) Students participating in dance from Class VII =  $\frac{60}{100} \times 400 = 240$

Students participating in dance from Class IX =  $\frac{12}{100} \times 250 = 30$

Required percentage =  $\left(\frac{10}{30} \times 100\right)\% = \frac{100}{3}\% = 33\frac{1}{3}\%$

39. (4) Students who don't participate in dance and play from class VI =  $500 - (15\% + 8\%)$  of 500

=  $500 - \frac{23}{100} \times 500 = 385$

Students who do not participate in dance and play in class IX =  $250 - (10\% + 12\%) \times 250$   
=  $250 - 55 = 195$

Required sum =  $195 + 385 = 580$

40. (1) Students who participate only in dance from class VI =  $\frac{15}{100} \times 500 - \frac{20}{100} \times \frac{15}{100} \times 500$

=  $75 - \frac{1}{5} \times 75 = 60$

Students who participate only in dance from class VI =  $\frac{8}{100} \times 500 - 15$

=  $40 - 15 = 25$

Required ratio =  $60 : 25 = 12 : 5$

41. (4) Required percentage =  $\left(\frac{\frac{10}{100} \times 400}{\frac{12}{100} \times 250}\right) \times 100\%$

=  $\left(\frac{10 \times 400}{12 \times 250} \times 100\right)\% = 33\frac{1}{3}\%$

**(42-46):**

42. (4) The number series is :

$$\begin{array}{cccccc} 3 & 5 & 15 & 45 & 113 & 243 \\ \hline & +2 & +10 & +30 & +68 & +130 \\ \hline & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ & 1^3+1 & 2^3+2 & 3^3+3 & 4^3+4 & 5^3+5 \end{array}$$

43. (3) The number series is :

$$\begin{array}{cccccc} & & -9 & & -9 & \\ & & \hline 17 & 98 & 26 & 89 & 35 & \mathbf{80} \\ & & \hline & +9 & & +9 & & \end{array}$$

44. (3) The number series is :

$$\begin{array}{cccccc} 3240 & 540 & 108 & 27 & 9 & 4.5 \\ \hline & \div 6 & \div 5 & \div 4 & \div 3 & \div 2 \end{array}$$

45. (1) The number series is :

$$\begin{array}{cccccc} 7 & 4.5 & 5.5 & 12 & 49 & 393 \\ \hline & \times 0.5+1 & \times 1+1 & \times 2+1 & \times 4+1 & \times 8+1 \end{array}$$

46. (4) The number series is :

$$\begin{array}{cccccc} 2 & 17 & 89 & 359 & 1079 & 2159 \\ \hline & \times 6+5 & \times 5+4 & \times 4+3 & \times 3+2 & \times 2+1 \end{array}$$

**(47-52):**

47. (2)  $(\sqrt{80.997} - \sqrt{25.001}) \times (\sqrt{120.90} + \sqrt{16.02}) = ?$

$$? = (9 - 5) \times (11 + 4)$$

$$? = 60$$

48. (1)  $55.01 - 345.02 \div 22.99 = 2 \times ?$

$$2 \times ? \approx 55 - \frac{345}{23}$$

$$? = 20$$

49. (2)  $\sqrt{3099.985 \div 62.001 + 14.001} = ?$

$$? = \sqrt{\frac{3100}{62} + 14} = \sqrt{50 + 14} = 8$$

50. (4)  $(111.99 \times 5) \div 14.02 = 11.002 + ?$

$$11 + ? \approx (112 \times 5) \div 14$$

$$? = 40 - 11 = 29$$

51. (4)  $24.97\% \text{ of } 84.01 \div 6.995 = ?$

$$? \approx \frac{25}{100} \times \frac{84}{7} = 3$$

52. (4)  $\left(184.002 - \frac{29}{5}\right) \times 29.99 = ?$

$$? \approx \left(184 - \frac{29}{5}\right) \times 30 = \left(\frac{184 \times 5 - 29}{5}\right) \times 30$$

$$= \frac{891}{5} \times 30 = 5346 \approx 5340$$

53. (3) At present sum of age = 76 years

After 7 years sum of age will be

$$7x + 6x + 5x + 8x = 76 + 7 \times 4$$

$$26x = 76 + 28$$

$$x = \frac{104}{26} = 4$$

$$C's \text{ present age} = 5x - 7$$

$$= 20 - 7 = 13 \text{ years}$$

54. (2) Sum of length of train A and B = 660 m

$$A + B = 660$$

Let speed be  $5x$  and  $8x$

and time taken to cross pole be  $4y$  and  $3y$

So,

$$5x \times 4y + 8x \times 3y = 660$$

$$44xy = 660$$

$$xy = 15$$

$$A - B = 24xy - 20xy$$

$$= 4xy = 4 \times 15 = 60 \text{ meters}$$

55. (1) 40% of new mixture = 20L

$$100\% \text{ of new mixture} = \frac{20}{40} \times 100 = 50L$$

ATQ,

$$28 + x + 8 + x = 50$$

$$2x = 50 - 36$$

$$x = 7L$$

56. (4) Time taken by A in completing  $\frac{1}{3}$  of work =  $24 \times \frac{1}{3} = 8$  days

8 day = time taken by B in completing  $\frac{1}{2}$  of work

B alone will complete the work = 16 days

$$\therefore \text{Required time} = \frac{16 \times 24}{40} = \frac{48}{5} \text{ days}$$

57. (5)  $MP = 1600 + CP$  .....(i)

$$MP - 500 = \frac{125}{100} \times CP$$

$$MP = \frac{5}{4} CP + 500$$

$$4MP = 5CP + 2000 \text{ .....(ii)}$$

Solving (i) and (ii)

$$CP = ₹ 4400$$

$$\therefore \text{Required selling price} = \frac{130}{100} \times 4400 = ₹ 5720$$

58. (1) Let  $d = 4x$  and  $h = 3x$

Total surface area of right circular cylinder is  $2\pi r (r + h)$

[Where  $r \rightarrow$  radius  
 $h \rightarrow$  height]

$$2\pi \left[ 2x(2x + 3x) - \frac{3x}{2} \left( \frac{3x}{2} + 3x \right) \right] = 318.5\pi$$

$$2 [10x^2 - 6.75x^2] = 318.5$$

$$6.5x^2 = 318.5$$

$$x^2 = 49$$

$$x = \pm 7$$

$$\text{radius (r)} = 14 \text{ cm}$$

$$\text{height (h)} = 21 \text{ cm}$$

$$\therefore \text{Circumference of base of cylinder} = 2\pi r = 28\pi \text{ cm}^2$$

59. (2) Let digit be xyz

$$\text{ATQ,}$$

$$y = 3$$

$$(100z - 10y - x) - (100x - 10y - z) = 396$$

$$99z - 99x = 396$$

$$z - x = 4$$

And it is given that

$$z + x = 14 \quad \dots\dots(i)$$

Solving (i) and (ii)

$$z = 9$$

$$x = 5$$

So, number is 539

60. (2) Let 4 consecutive even number is  $x, x + 2, x + 4, x + 6$

ATQ,

$$\frac{1}{x} + \frac{1}{x+2} = \frac{11}{60}$$

$$\frac{x+2+x}{x(x+2)} = \frac{11}{60}$$

$$\frac{x(x+1)}{x^2+2x} = \frac{11}{60}$$

$$120x + 120 = 11x^2 + 22x$$

$$11x^2 - 98x - 120 = 0$$

$$x = \frac{-24}{22}, 10$$

$\therefore$  Third number is 14 and reciprocal of 3rd highest no. is  $\frac{1}{14}$ .

61. (4) Profit will be shared in ratio =  $12 \times 6 : 8 \times \left(\frac{9}{8} \times 8\right) : 9 \times 12$

$$= 12 \times 6 : 8 \times 9 : 9 \times 12 = 2 : 2 : 3$$

$$\text{C's profit} = \frac{16750}{2} \times 3 = ₹ 25125$$

62. (1) Downstream speed =  $\frac{18}{3} = 6 \text{ km/hr}$

$$x + y = 6 \text{ (when } x \rightarrow \text{ speed of boat in Still water, } y \rightarrow \text{ speed of current)}$$

$$\text{Speed of water} = \frac{1}{3} \times 6 = 2 \text{ km/hr}$$

$$\text{Speed of boat in still water} = 4 \text{ km/hr}$$

$$\text{Required time} = \frac{100}{(4-2)} = 50 \text{ hour}$$

63. (2) Let M.P. =  $x$

The cost price and selling price be  $5y$  and  $6y$

ATQ,

$$80\%x = 6y$$

$$x = \frac{30y}{4} = 7.5y$$

$$\text{Required percentage} = \left( \frac{7.5y - 5y}{5y} \times 100 \right) \%$$

$$= \left( \frac{2.5y}{5y} \times 100 \right) \% = 50\%$$

64. (4) Total expenditure = 80% of salary

$$\text{Expenditure excluding clothing} = 80\% - \frac{25}{100} \times 80\% = 60\% \text{ of savings}$$

$$\text{Ramesh savings} = \frac{3600}{60} \times 20 = ₹ 1200$$

**(65-70):**

65. (4) Total no. of hats sold on Wednesday =  $64 + 48 = 112$

Total no. of hats sold on Tuesday =  $60 + 36 = 96$

$$\text{Required \%} = \left( \frac{112 - 96}{96} \times 100 \right) \% = 16\frac{2}{3}\%$$

66. (2) No. of hats sold on Friday by A after increase =  $56 \times \frac{8}{7} = 64$

$$\text{Average no. of hats sold on Monday, Wednesday and Friday by A} = \frac{46 + 64 + 64}{3} = 58$$

67. (5) No. of hats sold on Saturday =  $112 \times \frac{15}{14} = 120$

68. (3) No. of hats sold on Monday and Wednesday by A =  $34 + 48 = 82$

No. of hats sold on Friday by A and B together =  $56 + 40 = 96$

Required Difference =  $96 - 82 = 14$

69. (1) Hats sold on Thursday that are not defected =  $\frac{20}{100} \times 60 + \frac{25}{100} \times 52 = 12 + 13 = 25$

70. (2) No. of hats sold on Tuesday & Friday by A =  $36 + 56 = 92$

No. of hats sold on Tuesday & Friday by B =  $60 + 40 = 100$

Required Ratio =  $92 : 100 = 23 : 25$



## ENGLISH LANGUAGE

## (91-100):

91. (2) Replace 'of' by 'due to'.
92. (4) Change 'make' into 'makes'.
93. (3) Change 'him' into 'his'.
94. (2) Change 'accuse' into 'accused'.
95. (2) Change 'centre' into 'centres'.
96. (3) Replace 'much' by 'many'.
97. (2) Change 'complete' into 'completely'.
98. (1) Replace 'when' by 'after'.
99. (3) Change 'has' into 'have'.
100. (1) Replace 'which' by 'that/who'.

## VOCABULARIES

Words	Meaning in English	Meaning in Hindi
Elegant	pleasingly graceful and stylish in appearance or manner	रूचिकर
Bird's eye view	a view of something from a high position looking down	ऊपरी तौर पर देखना
Impose	force to be accepted or put in place	थोपना
Exploitation	the action of making use of and benefiting from resources	शोषण
Ethical	morally correct or acceptable	नैतिक
hapless	unfortunate	बदकिस्मत
Remittances	a sum of money sent	भेजा हुआ धन
Alleviate	make something less severe	कम करना
Plight	a dangerous, difficult, or otherwise unfortunate situation	विकट परिस्थिति
Detrimental	tending to cause harm	हानिकारक
Profuse	exuberantly plentiful; abundant	प्रचुर
Augmenting	increase	बढ़ाना

KD  
Campus

**KD Campus**

2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

**IBPS PO SPECIAL PHASE -I MOCK TEST - 262 (ANSWER KEY)**

- |         |         |         |          |
|---------|---------|---------|----------|
| 1. (3)  | 26. (3) | 51. (1) | 76. (4)  |
| 2. (2)  | 27. (4) | 52. (4) | 77. (3)  |
| 3. (3)  | 28. (2) | 53. (3) | 78. (5)  |
| 4. (2)  | 29. (2) | 54. (2) | 79. (3)  |
| 5. (2)  | 30. (3) | 55. (1) | 80. (4)  |
| 6. (2)  | 31. (1) | 56. (4) | 81. (2)  |
| 7. (4)  | 32. (5) | 57. (5) | 82. (4)  |
| 8. (5)  | 33. (4) | 58. (1) | 83. (1)  |
| 9. (3)  | 34. (1) | 59. (2) | 84. (3)  |
| 10. (4) | 35. (3) | 60. (2) | 85. (5)  |
| 11. (3) | 36. (2) | 61. (4) | 86. (3)  |
| 12. (2) | 37. (1) | 62. (1) | 87. (2)  |
| 13. (2) | 38. (3) | 63. (2) | 88. (5)  |
| 14. (5) | 39. (4) | 64. (4) | 89. (4)  |
| 15. (5) | 40. (1) | 65. (4) | 90. (5)  |
| 16. (4) | 41. (4) | 66. (2) | 91. (4)  |
| 17. (2) | 42. (4) | 67. (5) | 92. (4)  |
| 18. (3) | 43. (3) | 68. (3) | 93. (3)  |
| 19. (5) | 44. (3) | 69. (1) | 94. (2)  |
| 20. (2) | 45. (1) | 70. (2) | 95. (4)  |
| 21. (2) | 46. (4) | 71. (1) | 96. (2)  |
| 22. (4) | 47. (2) | 72. (3) | 97. (5)  |
| 23. (3) | 48. (1) | 73. (2) | 98. (4)  |
| 24. (4) | 49. (2) | 74. (5) | 99. (3)  |
| 25. (2) | 50. (4) | 75. (5) | 100. (1) |