

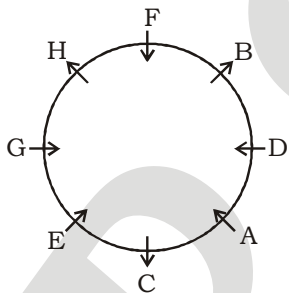
**IBPS PO SPECIAL PHASE-I MOCK TEST- 227 (SOLUTION)**

**REASONING**

(1 - 5) :

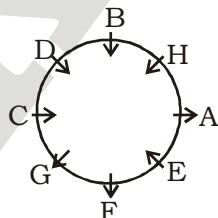
1. (4) Given statements :  
 $W > U = D = E \geq J = A \leq R$   
 We can't compare R and E and  $U > A$ .  
 Hence, neither I ( $R \geq E$ ) nor II ( $U \geq A$ ) is true.
2. (1) Given statements :  
 $P \geq Q = V > X \leq H < R = L > I$   
 Thus,  $P > Q$  is true.  
 Again, we can't compare Q and I.  
 Hence II ( $I \leq Q$ ) is not true
3. (5) Given statement :  
 Combining both statement, we get  
 $S \geq T = U \leq W < Z = M < L < K$   
 Thus,  $K > T$  is true.  
 Again,  $U < M$  is true.
4. (5) Given statement :  
 $R > C \geq P = Q \geq T = S$   
 Thus,  $R > Q$  is true.  
 Again,  $P \geq S$  is true.
5. (2) Given statements :  
 $B \leq N \leq T = M$  and  $M = T \geq N < K = L$   
 We can't compare L and M. Hence I ( $L \leq M$ ) is not true.  
 Again,  $B \leq T$  or  $T \geq B$  is true.

(6-10) :



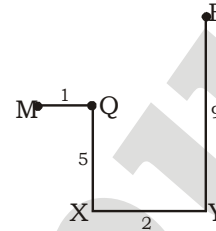
- |         |         |         |
|---------|---------|---------|
| 6. (1)  | 7. (4)  | 8. (5)  |
| 9. (2)  | 10. (3) |         |
| 11. (1) | 12. (1) | 13. (2) |

(14 - 18) :



- |         |         |         |
|---------|---------|---------|
| 14. (2) | 15. (4) | 16. (1) |
| 17. (3) | 18. (4) |         |

(19-20) :

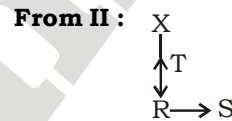


19. (5) 3 km      20. (4)

(21-24) :

21. (1) **From I :**  $D \leftarrow N \rightarrow O$   
 $\uparrow$   
 $X$

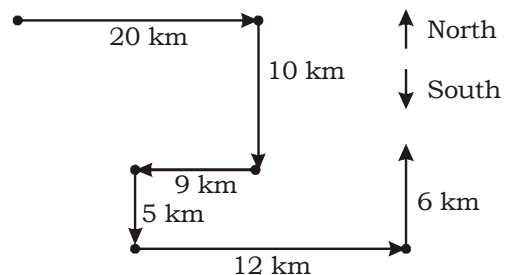
Hence company 'O' is north-east of company X.



Hence II is not sufficient to answer the questions,

22. (3) **From I :** Kamlesh > Trilok > Ritesh, Manoj, Kavita.  
 Hence, Kamlesh is tallest among them  
**From II :** Kamlesh > Ritesh, Trilok, Manoj > Kavita.  
 Hence, Kamlesh is tallest among them.
23. (4)
24. (2) **From I :** (Abhinav + Ravi) > Bipin > (Gopal + Dinesh)  
 We can't answer the question on the basis of statement I.  
**From II :** Ravi > Abhinav > (Gopal + Dinesh) and Ravi has the second position in decending order of their salaries.  
 Hence, Bipin is highest salary.

25. (3)



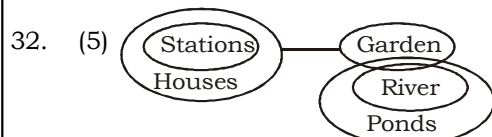
26. (4)      27. (4)      28. (3)

29. (2)                      30. (5)

**(31-35) :**



I. False    II. False  
III. False    IV. True



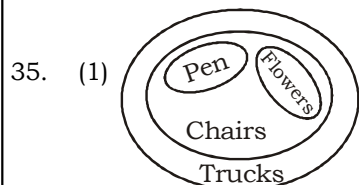
I. True    II. False  
III. False    IV. False



I. Doubt    II. True  
III. False    IV. Doubt



I. False    II. False  
III. True    IV. False



I. True    II. False  
III. True    IV. False

**MATHS**

36. (1) Let their initial investments be Rs.  $x$ ,  
Rs.  $3x$  and Rs.  $5x$  respectively.  
Then, A : B : C

$$= (x \times 4 + 2x \times 8) : (3x \times 4 + \frac{3x}{2} \times 8)$$

$$: (5x \times 4 + \frac{5x}{2} \times 8)$$

$$= (4x + 16x) : (12x + 12x) : (20x + 20x)$$

$$= 20x : 24x : 40x = 5 : 6 : 10$$

37. (1)  $\sqrt{676} \div ? \times 57 = 114$

$$\Rightarrow \frac{26}{?} = \frac{114}{57} = 2$$

$$\therefore ? = 13$$

38. (1)  $? \% \text{ of } 750 = 75\% \text{ of } 600$   
 $\Rightarrow 750\% \text{ of } ? = 750\% \text{ of } 600$   
 $\Rightarrow ? = 60$

39. (5)  $3720 \div 20 = 508 + ?$   
or,  $? = 3720 \div 20 - 508$   
 $= 186 - 508 = -322$

40. (3)  $60\% \text{ of } (? + 173.5 + 157.5) = 21 \times 12$   
or,  $\frac{3}{5} \times (? + 331) = 252$

$$\text{or, } ? + 331 = 252 \times \frac{5}{3} = 84 \times 5$$

$$= 420$$

$$\text{or, } ? = 420 - 331 = 89$$

41. (4)  $(154 \times 2.5\% \div 0.5) + ? = 192.5$   
or,  $(154 \times 5) \div ? = 192.5$

$$\therefore ? = \frac{154 \times 5}{192.5} = \frac{770}{192.5} = 4$$

42. (5)  $\sqrt{?+483} \div 6 = (125)^{\frac{1}{3}}$

$$\text{or, } \sqrt{?+483} \div 6 = \sqrt[3]{5 \times 5 \times 5} = 5$$

$$\text{or, } \sqrt{?+483} = 5 \times 6 = 30$$

Squaring both sides, we get

$$? + 483 = 900$$

$$\text{or, } ? = 900 - 483 = 417$$

43. (1)  $60\% \text{ of } 725 = 1740 \times ?$

$$\text{or, } \frac{3}{5} \times 725 = 1740 \times ?$$

$$\text{or, } 3 \times 145 = 1740 \times ?$$

$$\therefore ? = \frac{3 \times 145}{1740} = 0.25$$

44. (1)  $15 \frac{1}{2} + 7 \frac{3}{4} = ? \div 16$

$$\text{or, } \frac{31}{2} + \frac{31}{4} = \frac{?}{16}$$

$$\text{or, } \frac{62+31}{4} = \frac{?}{16}$$

$$\text{or, } \frac{62+31}{4} = 4 \times 93 = 372$$

45. (2)  $\frac{3.2+0.5}{4} = ? \div 6$

$$\text{or, } \frac{1.6}{4} = \frac{?}{16}$$

$$\text{or, } ? = \frac{1.6 \times 6}{4} = 2.4$$

46. (5)  $? - (0.6)^2 = (0.7)^2 \div 0.35$   
 $= 0.49 + 0.35 = 1.4$

or,  $? - 0.36 = 1.4$

or,  $? = 1.4 + 0.36 = 1.76$

47. (5)  $? = 68\% \text{ of } 320 + 30 \div 0.8$

$$= \frac{68 \times 320}{100} + \frac{30}{0.8}$$

$$= 217.6 + 37.5 = 255.1$$

48. (4)  $\sqrt{?} + 8 \times 31 = 124$

or,  $\frac{\sqrt{?}}{8} \times 31 = 124$

or,  $\sqrt{?} \times 31 = 124$

or,  $\sqrt{?} = 4 \times 8 = 32$

$\therefore ? = 32 \times 32 = 1024$

49. (4)  $\sqrt{\frac{2}{5} \times 950 - ?} = 19$

or,  $\sqrt{2 \times 190 - ?} = 19$

or,  $\sqrt{380 - ?} = 19$

Squaring both sides, we get

$$380 - ? = 361$$

or,  $? = 380 - 361 = 19$

50. (2)  $\frac{398 \div 16.5 + ?^3}{20} = \frac{149}{20}$

or,  $24 + ?^3 \approx 149$

or,  $(?)^3 \approx 149 - 24 = 125$

$$= 5 \times 5 \times 5 = 5^3$$

$\therefore ? \approx 5$

51. (5)  $(?)^2 \times 8 - 250 = 395$

or,  $(?)^2 \times 8 = 395 + 250 = 645$

or,  $(?)^2 = \frac{645}{8} = 81$

52. (3) Suppose a container contains  $x$  units of liquid from which  $y$  units are taken out and replaced by water. After  $n$  operations, the quantity of pure liquid

$$= x \left(1 - \frac{y}{x}\right)^n \text{ units}$$

$$\text{Remaining water} = 30 \left(1 - \frac{3}{30}\right)^2$$

$$= \frac{30 \times 9 \times 9}{100} = 24.3 \text{ litres}$$

53. (5) The series is

$$+4, +16, +64, +256, +1024, \dots$$

i.e  $5 + 4 = 9, 9 + 16 = 25, 25 + 64 = 89,$

$$89 + 256 = 345, 345 + 1024 = 1369,$$

54. (2) The series is

$$\times 3 - 1, \text{ (repeated)}$$

i.e  $6 \times 3 - 1 = 17, 17 \times 3 - 1 = 50,$

$$50 \times 3 - 1 = 149, 149 \times 3 - 1 = 446,$$

$$446 \times 3 - 1 = 1337, \dots$$

55. (1) The series is  $+(1)^3, -(2)^3, +(3)^3 \dots$

i.e  $61 + 1^3 = 62, 62 - 2^3 = 54,$

$$54 + 3^3 = 81, 81 - 4^3 = 17,$$

$$17 + 5^3 = \mathbf{142, \dots}$$

56. (4)  $\begin{array}{cccccc} 6 & 11 & 18 & 29 & 46 & 71 \\ \hline & +5 & +7 & +11 & +17 & +25 \end{array}$

57. (1) The series is  $\times 0.5, \times 1.5, \times 2, \times 2.5 \dots$

i.e  $26 \times 0.5 = 13, 13 \times 1 = 13,$

$$13 \times 1.5 = 19.5, 19.5 \times 2 = 39,$$

$$39 \times 2.5 = 97.5, \dots$$

58. (1) Required difference

$$= [18 + (-4) + 28.3 + 15 + (-3.1) + (-18.8)] \times 100 = 35.4 \times 100 = 3540$$

59. (4) Required ratio =  $\frac{(65 + 71.6) \times 100}{(42 + 76) \times 100}$

$$= \frac{13660}{11800} = 683 : 590$$

60. (3) Required total average

$$= \left[ \frac{(65 + 41.2 + 72.4 + 63.5 + 83) \times 100}{5} \right]$$

$$+ \left[ \frac{(51 + 72.8 + 83.5 + 21.8 + 66) \times 100}{5} \right]$$

$$= 6502 + 5902 = 12404$$

61. (5) Required average

$$= \frac{(72.4 + 61 + 71.6 + 83.5 + 61.2 + 73.2) \times 100}{6}$$

$$= \frac{42290}{6} = 7048.33 \approx 7048$$

62. (4) 

Water	Pulp	
Fresh grapes	4x	x
Dry grapes	y	9y

$$\text{Pulp in dry grapes} = \frac{250 \times 90}{100} = 225 \text{ kg.}$$

$\therefore x = 9y = 225 \text{ kg.}$

- $\therefore$  Weight of fresh grapes =  $5x$   
 $= 5 \times 225 = 1225$  kg.
63. (2) According to question,  
 $(2M + 7C)$ 's 1 day work =  $\frac{1}{4}$
- It means that 1 work will be finished by  
 $(8M + 28C)$
- Again,  $(4M + 4C)$ 's 1 day's work =  $\frac{1}{3}$
- or 1 work will be completed by  $12M + 12C$   
 $\therefore 8M + 28C = 12M + 12C$   
 $\Rightarrow M = 4C$   
 $\therefore 4M + 4C = 5M$   
 Since, 5 M complete a work in 3 days.  
 Then, 1 M will complete it in 15 days.
64. (1) Sum lent at 6% rate of interest = ₹  $x$   
 S.I. =  $19000 - 16800$   
 = ₹ 2200
- $$\therefore \frac{x \times 6 \times 2}{100} + \frac{(16800 - x) \times 8 \times 2}{100} = ₹ 2200$$
- $$\Rightarrow 12x + 16800 \times 16 - 16x = 220000$$
- $$\Rightarrow 4x = 268800 - 220000$$
- $$\Rightarrow 4x = 48800$$
- $$\Rightarrow x = ₹ 12200$$
65. (5) Let the original cost price be ₹ 100.  
 Then, profit = ₹ 320 and SP = ₹ 420  
 New CP = ₹ 125  
 $\therefore$  New profit = ₹ 295  
 Required percentage
- $$= \left( \frac{295}{420} \times 100 \right) \% = 70.23\%$$
66. (1) I.  $x^2 + 5x + 6 = 0$   
 $\Rightarrow x^2 + 2x + 3x + 6 = 0$   
 $\Rightarrow x(x + 2) + 3(x + 2) = 0$   
 $\Rightarrow (x + 3)(x + 2) = 0$   
 $\Rightarrow x = -3$  or  $-2$
- II.  $y^2 + 7y + 12 = 0$   
 $\Rightarrow y^2 + 4y + 3y + 12 = 0$   
 $\Rightarrow y(y + 4) + 3(y + 4) = 0$   
 $\Rightarrow (y + 3)(y + 4) = 0$   
 $\Rightarrow y = -3$  or  $-4$

- Clearly  $x \geq y$
67. (4) I.  $x^2 - 9x + 20 = 0$   
 $\Rightarrow x^2 - 5x - 4x + 20 = 0$   
 $\Rightarrow x(x - 5) - 4(x - 5) = 0$   
 $\Rightarrow (x - 4)(x - 5) = 0$   
 $\Rightarrow x = 4$  or  $5$
- II.  $y^2 - 13y + 42 = 0$   
 $\Rightarrow y^2 - 7y - 6y + 42 = 0$   
 $\Rightarrow y(y - 7) - 6(y - 7) = 0$   
 $\Rightarrow (y - 6)(y - 7) = 0$   
 $\Rightarrow y = 6$  or  $7$
- Clearly  $x < y$
68. (4)  $2x + 3y = 14$  ....I  
 $4x + 2y = 16$  ....II  
 By equation (I)  $\times 2$  - equation II,  
 $4x + 6y - 4x - 2y = 28 - 16$   
 $\Rightarrow 4y = 12 \Rightarrow y = 3$   
 From equation I,  
 $2x + 3 \times 3 = 14$   
 $\Rightarrow 2x = 14 - 9 = 5 \Rightarrow x = \frac{5}{2}$
- Clearly  $x < y$
69. (5) I.  $x = \sqrt{625} = 25$   
 II.  $y^2 = 676$   
 $\therefore y = \pm 26$
70. (4) I.  $x^2 + 4x + 4 = 0$   
 $(x + 2)^2 = 0 \Rightarrow x = -2$
- II.  $y^2 - 8y + 16 = 0$   
 $\Rightarrow (y - 4)^2 = 0$   
 $\Rightarrow y = 4$
- Clearly  $x < y$

**ENGLISH LANGUAGE**

81. (3) Replace 'for assessing' with 'to assess'
83. (2) Replace 'shows' with 'show'
84. (2) Replace 'for' with 'of'
85. (3) Replace 'to be' with 'being'
- (91-95) : BFCAED**
91. (2)      92. (1)      93. (5)  
 94. (3)      95. (4)

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

### IBPS PO SPECIAL PHASE-I MOCK TEST- 227 (ANSWER KEY)

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

**Note:- If you face any problem regarding result or marks scored, please contact 9313111777**

**Note:- Whatapp with Mock Test No. and Question No. at 7053606571 for any of te doubts. Join the group and you may also share your suggestions and experience of sunday Mock Test.**

**Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003**