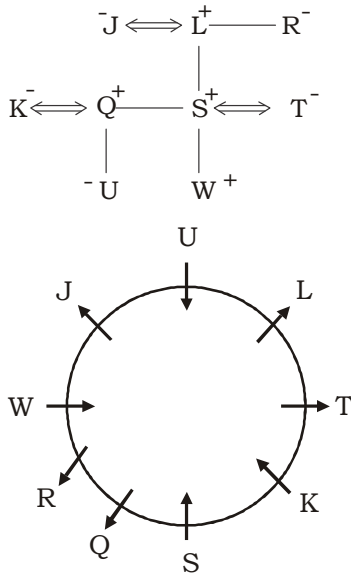


IBPS PO SPECIAL PHASE - I MOCK TEST - 228 (SOLUTION)

REASONING

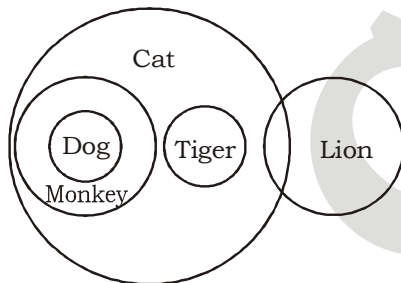
(1-5):



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

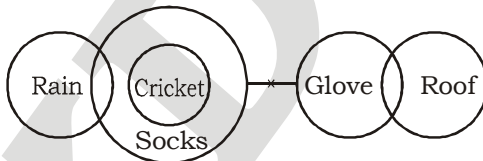
(6-10):

6. (2)



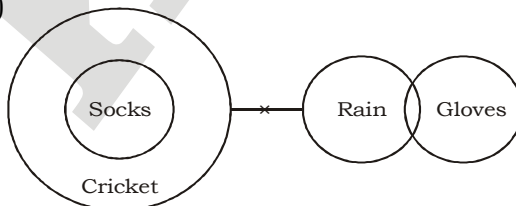
- I. False II. True
Only conclusions II follows.

7. (2)



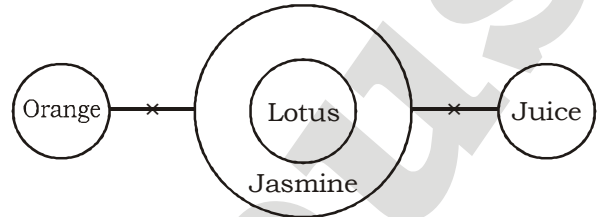
- I. False II. True
Only conclusions II follows.

8. (5)



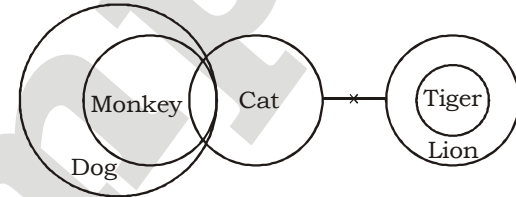
- I. True II. True
Both conclusion I and II are follow.

9. (5)



- I. True II. True
Both conclusion I and II are follow

10. (4)



- I. False II. False
Neither Conclusion I nor II follows.

(11-15):

9	—	K	Political Science
8	—	L	Art
7	—	S	Botany
6	—	N	Physics
5	—	O	Geography
4	—	R	Math
3	—	P	History
2	—	M	Computer
1	—	Q	English

11. (1) 12. (4) 13. (5) 14. (3) 15. (3)

(16-19):

only	—	na
order	—	ve
in	—	pu
serial	—	to
the	—	su
state	—	li
idea	—	Jo
logical	—	ri
or theory	—	zt bk

16. (4) 17. (2) 18. (5)
19. (3)

Campus KD Campus

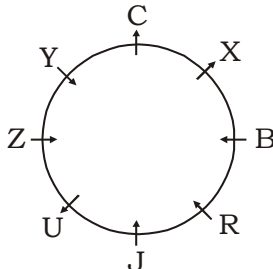
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(20- 24) :

Time Days → ↓	8 am	6 pm
Tuesday	R	D
Wednesday	I	N
Thursday	M	V
Friday	O	C
Saturday	U	K
Sunday	G	F

20. (1) 21. (3) 22. (4) 23. (5) 24. (3)
25. (5) S, A, E, L
SEAL, SALE

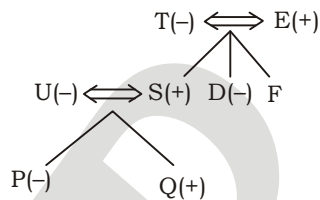
(26-30) :



26. (3) 27. (2) 28. (1) 29. (1)
30. (4)

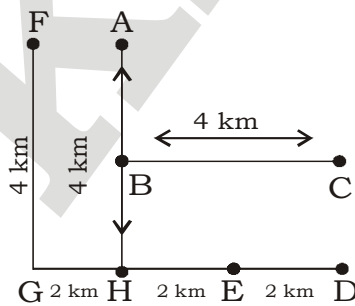
(31-33) :

Family Tree



31. (4) 32. (3) 33. (1)

(34-35) :



34. (5) 35. (1)

MATHS

(36-40):

36. (3) Offline contestant in village A = $\frac{350}{56} \times 44$
= 275

Online contestant who complete the survey = $350 - 61 = 289$

Offline contestant who complete the survey = $275 - 61 = 214$

\therefore Required% = $\left(\frac{289-214}{214} \times 100\right)\% \approx 35\%$

37. (1) Total no. of contestant from village C who complete the survey

= $\left[465 + \left(\frac{465}{60} \times 40\right)\right] - 108 \approx 667$

Total no. of contestant from village B who complete the survey

= $\left[560 + \left(\frac{560}{35} \times 65\right)\right] - 92 = 1508$

\therefore Required number = $1508 - 667 = 841$

38.(3) Online contestant who didn't completed the survey = $\frac{8}{19} \times 190 = 80$

Offline contestant who didn't completed the survey = $\frac{11}{19} \times 190 = 110$

\therefore Males in Online contestant who completed the survey = $\frac{65}{100} \times (480 - 80) = 260$

and
Females in offline contestants who completed the survey

= $\frac{60}{100} \times \left(\frac{480}{40} \times 60 - 110\right) = 366$

\therefore Required difference $(720 - 110 - 366) - (480 - 80 - 260) = 244 - 140 = 104$

39.(4) Offline contestants of village C

= $\frac{465}{60} \times 40 = 310$

Offline contestants of village A

= $\frac{350}{56} \times 44 = 275$

\therefore Required difference $310 - 275 = 35$

40. (1) Required sum

= $\frac{350}{56} \times 12 + \frac{560}{35} \times 30 + \frac{465}{60} \times 20 + \frac{480}{40} \times 20$
= $75 + 480 + 155 + 240 = 950$

41.(4) Number of said contestants from village

$$C = \frac{465}{60} \times 100 - 108 = 667$$

and number of said contents from village

$$D = \frac{480}{60} \times 100 = 1200$$

$$\therefore \text{Required percentage} = \left(\frac{667}{1200} \times 100 \right) \% \\ = 56\%$$

42. (2) (A's profit) : (B's profit) : (C's profit)

$$= 600 \times 12 : 500 \times 4 : 5x \times 8 \\ = 180 : 50 : x$$

$$\therefore \text{C's profit} = \frac{x}{230+x} \times 24000$$

$$\Rightarrow \frac{x}{230+x} \times 24000 = 5600$$

$$\Rightarrow 30x = 1610 + 7x$$

$$\Rightarrow x = 70\%$$

43. (1) Length of platform = $21 \times 19 - 216$

$$= 183 \text{ m}$$

Let n boxes are added

$$216 + 183 + 21n = 21 \times 26$$

$$\Rightarrow 21n = 147$$

$$\Rightarrow n = 7$$

44.(4) B will complete the work alone in

$$= \frac{3}{4} \times 36 = 27 \text{ days}$$

$$A - 36 \quad 3 \\ \quad \quad \quad 108$$

$$B - 27 \quad 4$$

Let total units of work = 108

No. of units done by A in 1 day = 3

No. of units done by B in 1 day = 4

Total work done in 2 days = 7 units

Work done in 30 days = $7 \times 15 = 105$ units

Remaining work will be done by A in

$$\frac{108 - 105}{3} = 1 \text{ day}$$

\therefore Total days taken = 31 days

45.(3) 12% of the salary is added as PPF.

Remaining Part = $100 - 12 = 88\%$

Amount spent on clothes = $\frac{3}{8}$ of $88\% = 33\%$

Difference between PPF and cloth expenses = $33 - 12 = 21\%$ of salary = 10500

Total salary = 50000

Other expenses = House Rent expenses + 1500

House Rent expenses + Other expenses = $(100 - 33 - 12)\%$ of salary

= 55% of salary = 27500

House Rent expenses + House Rent expenses + 1500 = 27500

$2 \times$ House Rent expenses = $27500 - 1500 = 26000$

House Rent expenses = ₹13000

(46-50):

$$46. (2) \begin{array}{cccccc} 200 & \mathbf{198} & 192 & 180 & 160 & 130 & 88 \\ \hline & & & & & & \\ & 2 & 6 & 12 & 20 & 30 & 42 \\ \hline & & 4 & 6 & 8 & 10 & 12 \end{array}$$

$$47. (1) \begin{array}{cccccc} 9.2 & \mathbf{10.6} & 7.6 & 12.4 & 6 & 14 & 4.4 \\ \hline & & & & & & \\ & +1.6 & -3.2 & +4.8 & -6.4 & +8 & -9.6 \end{array}$$

$$48. (2) \begin{array}{cccccc} 1 & 730 & \mathbf{973} & 1054 & 1081 & 1090 & 1093 \\ \hline & +729 & +243 & +81 & +27 & +9 & +3 \end{array}$$

$$49. (3) \begin{array}{cccccc} 3 & 4 & 9 & 28 & 113 & \mathbf{566} & 3397 \\ \hline & \times 1+1 & \times 2+1 & \times 3+1 & \times 4+1 & \times 5+1 & \times 6+1 \end{array}$$

$$50. (3) \begin{array}{cccccc} 4 & 6 & 12 & 30 & \mathbf{90} & 315 & 1260 \\ \hline & \times 1.5 & \times 2 & \times 2.5 & \times 3 & \times 3.5 & \times 4 \end{array}$$

(51-55):

51. (2); Players from Club 'D' who play either of Cricket or Football

$$= 2400 \times \frac{12}{100} + 3200 \times \frac{20}{100}$$

$$= 288 + 640 = 928$$

Players of Football from both club 'C' and

$$'E' = 3200 \times \frac{(13+21)}{100} = 1088$$

\therefore Required different = $1088 - 928 = 160$

52.(3) Male players from club 'E' who play either of Cricket or Football

$$= \left[2400 \times \frac{24}{100} + 3200 \times \frac{21}{100} \right] \times \frac{9}{16}$$

$$= [576 + 672] \times \frac{9}{16}$$

$$= 1248 \times \frac{9}{16} = 702$$

Players from club 'F' who playing Football

$$= 3200 \times \frac{5}{100} = 160$$

$$\text{Required percentage} = \left(\frac{702}{160} \times 100 \right) = 438 \frac{3}{4} \%$$

53.(1) Female players of Cricket from club 'E'

$$= 2400 \times \frac{24}{100} \times \frac{7}{12} = 336$$

Female players of Football from club 'C'

$$= 3200 \times \frac{13}{100} \times \frac{6}{13} = 192$$

Required sum = 336 + 192 = 528

54.(4) Players of club D and B who play football

$$= 3200 \times \frac{36}{100} = 1152$$

Players of club D and F who playing

$$\text{Cricket} = 2400 \times \frac{23}{100} = 552$$

$$\text{Required\%} = \left[\frac{1152 - 552}{552} \times 100 \right] \%$$

$$= 108.7\% \approx 109\%$$

55.(2) Players who play Cricket from both club A

$$\text{and C} = 2400 \times \frac{33}{100} = 792$$

Players who playing Football from Club B,

$$\text{D and F together} = 3200 \times \frac{41}{100} = 1312$$

∴ Required difference = 1312 - 792 = 520

56.(4) Probability of drawing one green ball

$$= \frac{x}{12+x} = \frac{2}{5}$$

$$\Rightarrow x = 8$$

$$\therefore \text{Required probability} = \frac{{}^5C_2}{{}^{15}C_2}$$

$$= \frac{5 \times 4}{15 \times 14} = \frac{2}{21}$$

57.(1) A + B = 41 ... (i)

$$C - 1 = A + 2$$

$$C = A + 3$$

And

$$A + 4 = B - 1$$

$$\Rightarrow B = A + 5 \dots \text{(ii)}$$

From (i) + (ii),

$$A = 18 \text{ years}$$

$$B = 18 + 5 = 23 \text{ years}$$

$$C = 18 + 3 = 21 \text{ years}$$

$$\frac{A}{D} = \frac{3}{4}$$

$$D = \frac{4}{3} \times 18 = 24 \text{ years}$$

∴ Required difference = 24 - 21 = 3 years

58.(1) Radius of cylinder = side of equilateral Δ

$$\therefore \frac{\sqrt{3}}{4} a^2 = 16\sqrt{3}, \text{ where } a = \text{sides of } \Delta$$

$$\therefore a^2 = 64$$

$$\therefore a = 8 \text{ cm}$$

And, height of cylinder = 3 × 8 = 24 cm

$$\therefore \text{Volume of cylinder} = \pi r^2 h$$

$$= \pi \times 8^2 \times 24$$

$$= 1536 \pi \text{ cm}^3$$

59.(2) Compound interest earned in 2 years

$$= 8000 \left[\left(1 + \frac{20}{100} \right)^2 \right] - 8000 = ₹ 3520$$

Let amount invested in another scheme is ₹ P.

$$3520 = 500\% \text{ of } \frac{P \times 8 \times 4}{100}$$

$$\Rightarrow P = ₹ 2200$$

$$\therefore \text{Total investment} = 8000 + 2200$$

$$= ₹ 10,200$$

60.(1) In 1000 ml of mixture,

$$\text{Alcohol} = 700 \text{ ml}$$

$$\text{Water} = 300 \text{ ml}$$

Let x ml of alcohol is mixed.

According to question,

$$\frac{300}{100+x} \times 100 = 15$$

$$1000 + x = 2000 \Rightarrow x = 1000 \text{ ml}$$

61.(5) $2\pi r^2 = 616$

$$r^2 = \frac{616}{2} \times \frac{7}{22} = 98$$

$$\therefore \text{Volume} = \frac{2}{3} \pi r^3$$

$$= \frac{2}{3} \times \frac{22}{7} \times 98 \times 7\sqrt{2}$$

$$= 2032.69 \text{ cm}^3$$

62.(2) A = 6 : 11

$$\text{(A)} 11x - 6x = 25$$

So we can find out ratio of their age 5 year ago.

$$\text{(B)} (11x + 5) - (6x - 5) = 25$$

$$\text{(C)} 11x + 6x = 85$$

63.(5) Cost price per unit is not given.

$$64. (5) 8M + 6W = \frac{1}{21}$$

$$1.5(8M + 6W) = 1.5 \times \frac{1}{21}$$

$$12M + 9W = \frac{1}{14}$$

Work will be completed in 14 days.

No information is required.

- 65.(4) Question can't be answered because direction of movement of the trains are not given.

(66-70):

Let number of chairs, tables and wardrobes sold by A in August be $42x$, $36x$ and $23x$. Also, let chairs sold by A in August, September and October be $14y$, $23y$ and $27y$ respectively.

$$\therefore 42x = 14y \Rightarrow y = 3x$$

$$\text{and, } 23x = 23y - 230$$

$$\Rightarrow x = 5 \text{ and } y = 15$$

Now,

$$\text{Chairs sold by B in September} = 665 - 345 = 320$$

$$\text{Chairs sold by B in August} = 320$$

$$\text{Tables sold by B in September} = \text{Chairs sold by A in Aug} = 210$$

$$\therefore \text{Table sold by A in September} = 400 - 210 = 190$$

$$\text{Wardrobes sold by B in September} = \text{wardrobes sold by A in Aug} = 115$$

$$\therefore \text{Wardrobes sold by A in September} = 210 - 115 = 95$$

$$\text{Chairs sold by B in October} = 1025 - 320 - 320 = 385$$

$$\text{Tables sold by A in October} = (1025 - 480) - (180 + 190) = 175$$

$$\text{Tables sold by B in August} = \frac{11}{12} \times 180 = 165$$

$$\text{Tables sold by B in October}$$

$$= \frac{38}{35} \times 175 = 190$$

$$\text{Wardrobes sold by B in August} = 1075 - (210 + 320 + 180 + 165 + 115) = 85$$

Let wardrobes sold by A in October be a and that by B be b in October

$$\therefore a = b - 35 \text{ and } a + b = 205$$

$$\therefore a = 85 \text{ and } b = 120$$

Months	Chair		Table		Wardrobe	
	A	B	A	B	A	B
August	210	320	180	165	115	85
September	345	320	190	210	95	115
October	405	385	175	190	85	120

- 66.(3) Total chairs sold by B in September and October = $320 + 385 = 705$

$$67.(1) \text{ Required percentage} = \left(\frac{175 - 125}{125} \times 100 \right) \% = 40\%$$

$$68. (4) \text{ Asked difference} = 320 - 210 = 110$$

$$69. (2) \text{ Required ratio} = \frac{180}{210} = \frac{6}{7}$$

$$70.(5) \text{ Wardrobes sold by B in Oct} = 125$$

ENGLISH LANGUAGE

81. (4) Replace 'patiently' with 'patient'. 'Listening' is noun here and to qualify a noun, an adjective is needed.
82. (3) Replace 'is' with 'has been', because in the sentence, 'for + time' is given.
83. (4) Replace 'Would' with 'could'.
84. (5) No error.
85. (4) Replace 'with' with 'for'. (Responsible for)
86. (1) Replace 'are' with 'have', because subject or doer is present (we) and thus, the sentence should be in active.
87. (2) Replace 'what' with 'why'.
88. (1) Replace 'had' with 'is' (is + adjective). Here 'was' cannot be used because then other verb will have to be changed into past as well.
89. (5) No error.
90. (3) Replace 'convenient' (adjective) with 'convenience' (noun). 'The + noun'. is used.

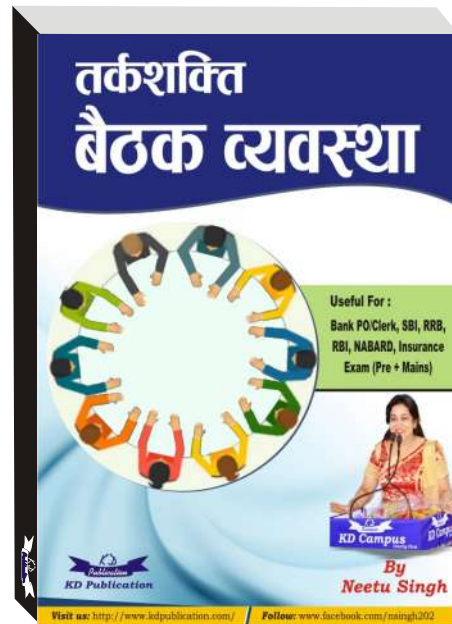
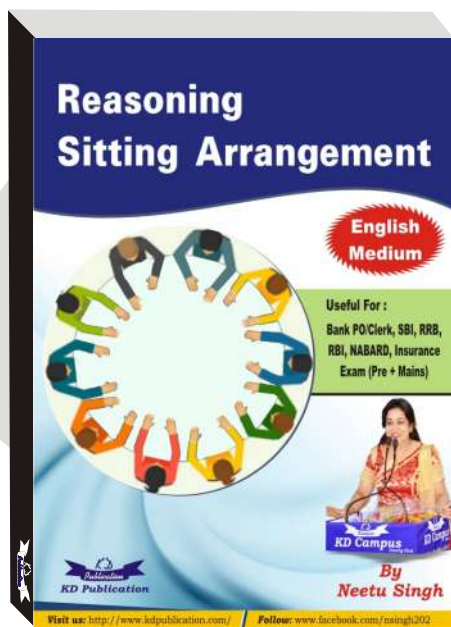
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VOCABULARIES

Words	Meaning in English	Meaning in Hindi
Pruning	the act of making something smaller by removing parts	छटाई
Counterparts	equivalent	समकक्ष
Impediments	a hindrance or obstruction	बाधा, अवरोध
Viability	the fact that something can be done and can be successful	व्यवहार्यता
Status quo	the situation as it is now, or as it was before a recent change	यथास्थिति
Rejuvenation	more lively or more modern	नई उमंग
Indelible	impossible to forget or remove	पक्का, जो मिट न सके
Sought after	in demand	लोकप्रिय
Striking	interesting and unusual enough to attract attention	विचित्र
Spiritualism	a system of belief	अध्यात्मवाद
Tangible	that you can touch and feel	वास्तविक, स्पर्श योग्य

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IBPS PO SPECIAL PHASE -I MOCK TEST - 228 (ANSWER KEY)

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

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