

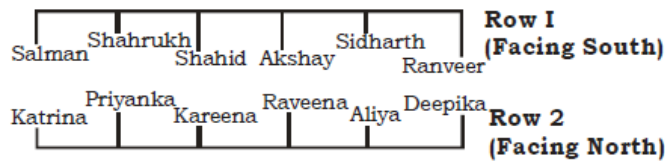
IBPS PRE MOCK -4

ANSERSHEET

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

REASONING

Solutions (1-5):



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

Solutions (6-10) :

- in - pu
order - ve
only - na
serial - to
the - su
state - li
idea - jo
logical - ri

- or / theory - zt / bk
6. (5) 7. (3) 8. (1)
9. (4) 10. (2)

Solutions (11-15) :

11. (4) None of the course of action is suitable for pursuing. If the company VARNY would not manufacture ball point pens, some other company may introduce ball point pens in the market, Similarly, some other company may introduce gel - ink pens in the market.

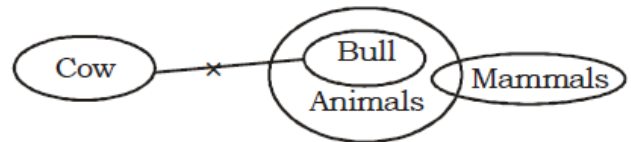
12. (4) As the recession is worldwide employment scenario in other countries would also have adversely affected. Therefore, course of action I is not suitable for pursuing. Course of action II lacks practical approach.
13. (4) None of the courses of action is suitable for pursuing.
14. (1) Only course of action I seems to be suitable for pursuing.
15. (2) Only course of action II is suitable for pursuing.

Solutions (16-20) :

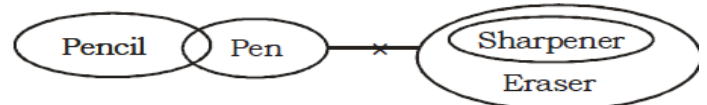
16. (2) 17. (1) 18. (1)
19. (5) 20. (4)

Solutions (21-25) :

For (21-22) :



21. (5) 22. (1)
23. (2)

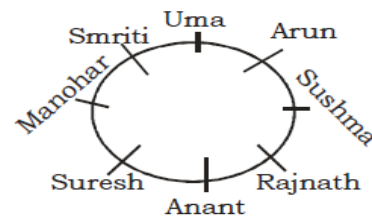


For (24-25) :



24. (4)
25. (5)

Solutions (26-30) :



26. (3) 27. (1) 28. (4)
29. (3) 30. (5)

Solutions (31-35) :

It is evident that in each step one word and a number are rearranged. In first step, the word which comes first in English alphabetical series and the highest number are moved to the extreme left position. In the second step, the word which comes second in English alphabetical

series and the second highest number are moved to the extreme left position. The same procedure is continued till all the words are arranged in the reverse alphabetical order from left to right and all the numbers get arranged in ascending order.

Input: money 48 24 18 wanted for investment 65 90 lock credit 32

Step I: credit 90 money 48 24 18 wanted for investment 65 lock 32

Step II: for 65 credit 90 money 48 24 18 wanted investment lock 32

Step III: investment 48 for 65 credited 90 money 24 18 wanted lock 32

Step IV: lock 32 investment 48 for 65 credit 90 money 24 18 wanted

Step V: money 24 lock 32 investment 48 for 65 credit 90 18 wanted

Step VI: wanted 18 money 24 lock 32 investment 48 for 65 credit 90

Step VI is the last step.

31. (3) 32. (2) 33. (1)
34. (5) 35. (4)

Maths

36. (1) $? = \frac{\frac{9}{2} \cdot \frac{27}{9}}{\frac{7.5}{18} \cdot \frac{27}{5}} = \frac{2}{3} = 4.5$

37. (4) 38. (5) 39. (2)
40. (3)

41. (4) $\begin{array}{cccccc} 15 & 18 & 16 & 19 & 17 & 20 & ? \\ \hline & +1 & & +1 & & +1 & \end{array}$

42. (1) $\begin{array}{cccccc} 1050 & 420 & 168 & 67.2 & 26.88 & 10.752 \\ \hline & -2.5 & & -2.5 & & -2.5 & & -2.5 & & -2.5 \end{array}$

43. (5) $\begin{array}{cccccc} 0 & 6 & 24 & 60 & 120 & 210 & ? \\ \hline \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ +6 & +18 & +36 & +60 & +90 & +126 \\ \hline +12 & +18 & +24 & +30 & +36 \end{array}$

$\therefore ? = 210 + 126 = 336$

44. (3) $\begin{array}{cccccc} 32 & 49 & 83 & 151 & 287 & 559 & ? \\ \hline & +17 & & +34 & & +68 & & +136 & & +272 & & +544 \end{array}$

45. (2) $\begin{array}{cccccc} 462 & 552 & 650 & 756 & 870 & 992 & ? \\ \hline & +90 & & +98 & & +106 & & +114 & & +122 & & +130 \end{array}$

46. (1) $? = 5554.999 \div 50.007$
 $\gg 5555 \div 50 \gg 110$
47. (1) $? = (18.001)^3 \gg (18)^3 = 5832 \gg 5830$
48. (3) $? = 23.001 \times 18.999 \times 7.998$
 $\gg 23 \times 19 \times 8 = 3496 \gg 3500$
49. (4) $? = (9999 \div 99) \div 9 = (101 \div 9) = 11.2 \gg 11$
50. (2) $? = 449.999 \times \frac{22.005}{100} \gg 450 \times \frac{22}{100}$
 $= 99 \gg 100$

51. (1) I. $16x^2 + 20x + 6 = 0$
P $8x^2 + 10x + 3 = 0$
P $(4x + 3)(2x + 1) = 0$

$\therefore x = -\frac{3}{4}$ or $-\frac{1}{2}$

II. $10y^2 + 38y + 24 = 0$

P $5y^2 + 19y + 12 = 0$

$\therefore (y + 3)(5y + 4) = 0$

$\therefore y = -3$ or $-\frac{4}{5}$

Hence, $x > y$

52. (2) I. $18x^2 + 18x + 4 = 0$
P $9x^2 + 9x + 2 = 0$
P $(3x + 2)(3x + 1) = 0$

$\therefore x = -\frac{2}{3}$ or $-\frac{1}{3}$

II. $12y^2 + 29y + 14 = 0$

P $(3y + 2)(4y + 7) = 0$

$\therefore y = -\frac{2}{3}$ or $-\frac{7}{4}$

Hence $x > y$

53. (4) I. $8x^2 + 6x - 5 = 0$
P $(4x + 5)(2x - 1) = 0$

$\therefore x = -\frac{5}{4}$ or $\frac{1}{2}$

II. $12y^2 - 22y + 8 = 0$

P $6y^2 - 11y + 4 = 0$

P $(2y - 1)(3y - 4) = 0$

$$\backslash \quad y = \frac{1}{2} \text{ or } \frac{4}{3}$$

Hence, $x \neq y$

54. (3) I. $17x^2 + 48x - 9 = 0$
P. $(x+3)(17x-3) = 0$

P. $x = -3 \text{ or } \frac{3}{17}$

II. $13y^2 - 32y + 12 = 0$
P. $(y-2)(13y-6) = 0$

$$\backslash \quad y = 2 \text{ or } \frac{6}{13}$$

Hence $x < y$

55. (5) I. $4x + 7y = 209$ (i)
II. $12x - 14y = -38$ (ii)

Now, (i) $\times 2$ + (ii), we have

$$12x - 14y = -38$$

$$8x + 14y = 418$$

$$\text{or } \overline{20x} = 380$$

$$\backslash \quad x = \frac{380}{20} = 19$$

Now, putting the value of $x = 19$ in equation (i), We have,

$$4 \times 19 + 7y = 209$$

$$\text{or, } 7y = 209 - 76 = 133$$

$$\backslash \quad y = \frac{133}{7} = 19$$

56. (2) For city B = $131857 \times \frac{7}{11} = 83909$

For city C = $116536 \times \frac{5}{8} = 72835$;

diff. = 11074

57. (1) Total adult in city A = $105623 \times \frac{5}{7} +$

$$100249 \times \frac{11}{17} = 140312$$

58. (4)

59. (5)

60. (3) minor female in city A = $100249 \times \frac{6}{17} = 35382$; minor female in city B = 115110

$$\times \frac{4}{15} = 30696, ; \text{ reqd. } \% = \frac{4686}{30696} \times 100 = 15\% \text{ approx.}$$

61. (3) Sale of A = $170000 \times \frac{29}{100} \times \frac{8}{17} = 23200$;

Sale of B = $170000 \times \frac{18}{100} \times \frac{7}{18} = 11900$;

Sale of C = $170000 \times \frac{14}{100} \times \frac{4}{7} = 13600$;

Total sale = 48700

62. (2)

63. (2) ratio = $\frac{\text{₹}(170000) \cdot \frac{16}{100} \cdot \frac{9}{16}}{\text{₹}(170000) \cdot \frac{10}{100} \cdot \frac{3}{5}} = 3 : 2$

64. (3)

65. (2) Difference A = $\text{₹}(170000) \cdot \frac{29}{100} \cdot \frac{1}{17} = 2900$;

Difference B = $\text{₹}(170000) \cdot \frac{18}{100} \cdot \frac{4}{18} = 6800$;

Difference C = $\text{₹}(170000) \cdot \frac{14}{100} \cdot \frac{3-4}{16} = -3400$;

Difference D = $\text{₹}(170000) \cdot \frac{13}{100} \cdot \frac{3}{13} = 5100$;

Difference E = $\text{₹}(170000) \cdot \frac{16}{100} \cdot \frac{7-9}{16} = -3400$

Difference = $\text{₹}(170000) \cdot \frac{10}{100} \cdot \frac{1}{5} = 3400$

Difference = $2900 + 6800 - 3400 + 5100 - 3400 + 3400 = 11400$

D1		D2		D3		D4		D5	
M	F	M	F	M	F	M	F	M	F
450	312	210	180	120	90	315	210	405	408

66. (2)

67. (3) $\frac{315}{1500} \times 100 = 21\%$

68. (4) $\frac{180}{450} \times 100 = 40\%$

69. (4) $\frac{90}{120} \times 100 = 75\%$

70. (3) $405 : 450 = 9 : 10$