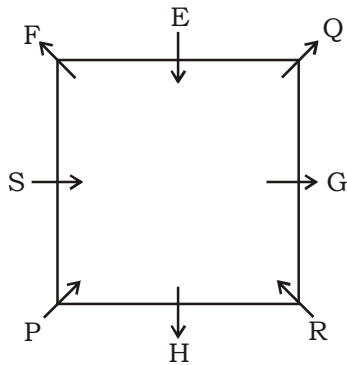


IBPS PO SPECIAL PRELIMS MOCK TEST - 376 (SOLUTION)

REASONING

(1-5):



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

(6-11):



6. (1) 7. (5) 8. (4)
9. (5) 10. (3) 11. (4)

(12-15):

12. (2) **Given statements :**

- $W > H \geq N$ (i)
 $S > I \leq H$ (ii)

Combining all statements

$S > I \leq H \geq N$

I. $N \leq S \rightarrow$ False

$I \leq H < W$

II. $I < W \rightarrow$ True

Hence, Only conclusion II is true.

13. (2) **Given statements :**

- $L \leq O < I$ (i)
 $L > Y > W$ (ii)

Combining all statements

$I > O \geq L > Y$

I. $Y \leq I \rightarrow$ False

$O \geq L > Y > W$

II. $O > W \rightarrow$ True

Hence, Only conclusion II is true.

14. (5) **Given statements :**

- $I \geq K > C > F$ (i)
 $Z < C \leq D < E$ (ii)

Combining all statements

$I \geq K > C > Z$

I. $I > Z \rightarrow$ True

$F \leq C \leq D < E$

II. $F < E \rightarrow$ True

Hence, Both conclusion I and II are true.

15. (5) **Given statements :**

$X < M \leq U$ (i)

$L > U \leq K$ (ii)

$M \geq R$ (iii)

Combining all statements

$R \leq M \leq U \leq K$

I. $K \geq R \rightarrow$ True

$R \leq M \leq U < L$

II. $L > R \rightarrow$ True

Hence, Both conclusions I and II are true.

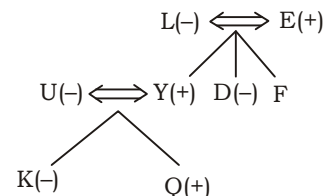
(16-20):

Person	Floor	Game
S	7	Badminton
R	6	Polo
N	5	Chess
L	4	Hockey
M	3	Rugby
O	2	Cricket
T	1	Ludo

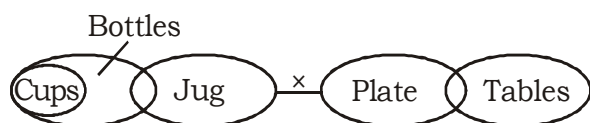
16. (4) 17. (1) 18. (2) 19. (3)
20. (4)
21. (1) 22. (3) 23. (5)
24. (4) 25. (2)

(26-28):

Family Tree



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



- I. Can't say II. Can't say
III. Can't say IV. Can't say

But after comparing, we find that either I or III is true.

45. (2) Let age of Sulekha = $9x$
Age of Arunima = $8x$
ATQ,
$$\frac{9x + 5}{8x + 5} = \frac{10}{9}$$

 $\Rightarrow 81x + 45 = 80x + 50$
 $\Rightarrow x = 5$
 \therefore Required difference = 5 years
46. (5)
$$\begin{array}{r} 54 \quad 77 \quad 116 \quad 187 \quad 322 \quad \mathbf{585} \\ \hline +23 \quad +39 \quad +71 \quad +135 \quad +263 \\ \hline +16 \quad +32 \quad +64 \quad +128 \end{array}$$
47. (3) $1 \times 1 + 1 = 2$
 $2 \times 2 + 2 = 6$
 $6 \times 3 + 3 = \mathbf{21}$
 $21 \times 4 + 4 = 88$
 $88 \times 5 + 5 = 445$
48. (5) $1 \times 1.5 + 2 = 3.5$
 $3.5 \times 2 - 2 = 5$
 $5 \times 2.5 + 2 = 14.5$
 $14.5 \times 3 - 2 = 41.5$
 $41.5 \times 3.5 + 2 = \mathbf{147.25}$
49. (4) $11^2 - 2^3 = 121 - 8 = 113$
 $13^2 - 4^3 = 169 - 64 = 105$
 $15^2 - 6^3 = 225 - 216 = 9$
 $17^2 - 8^3 = 289 - 512 = \mathbf{-223}$
 $19^2 - 10^3 = 361 - 1000 = \mathbf{-639}$
50. (1) $71 + 5 = 76$
 $76 + 8 = 84$
 $84 + 13 = 97$
 $97 + 21 = 118$
 $118 + 34 = \mathbf{152}$
51. (2) Let total current accounts opened in the whole year = x
 $\therefore 16\frac{7}{8}\%$ of $x = \frac{27}{100} \times 500$
 $x = 800$
Required accounts opened = $(800 - 500) = 300$
52. (5) Saving accounts opened in 4th quarter
 $= 142\frac{6}{7}\%$ of $\left(\frac{42}{100} \times 750\right) = 450$

Required average = $\frac{450 + 750}{4} = \frac{1200}{4} = 300$
53. (4) Saving accounts opened in whole year = $3x$
Current accounts opened in whole year = $2x$
There is no relation between saving account opened in 4th quarter and that of current account. So, we can't determine required ratio.
54. (1) 4th quarter (Saving accounts)
 $= 240 + \frac{28}{100} \times 750 = 210 + 240 = 450$
Required % = $\frac{450}{1200} \times 100 = 37.5\%$
55. (3) $16.978 + 27.007 + 36.984 - 12.969 - 9.003 = ?$
 $? \approx 17 + 27 + 37 - 13 - 9$
 $? \approx 59 \approx 60$
56. (2) $499.97 \div 4.95 + (5.99)^3 - 207.94 = ?$
 $? \approx \frac{500}{5} + 6^3 - 208$
 $? \approx 108$
57. (3) $\sqrt{1849} \times 242.97 \div 26.99 - 40.97 = ?$
 $? \approx \frac{43 \times 243}{27} - 41$
 $? \approx 387 - 41 \approx 346$
58. (1) 59.97% of $849.97 - 38.98\%$ of $599.98 = ?$
 $? \approx \frac{60}{100} \times 850 - \frac{39}{100} \times 600 \approx 276$
59. (4) $\frac{2}{5}$ of $524.98 \div \sqrt{4901} + \sqrt[4]{625} = ?$
 $? \approx \frac{210}{70} + 5 \approx 8$
60. (2) $\frac{13.911}{399} \div \frac{7}{15.07} \div \frac{3}{160} + 171 = ?$
 $? \approx \frac{14}{400} \times \frac{15}{7} \times \frac{160}{3} + 171$
 $? \approx 4 + 171 \approx 175$
61. (3) I. $2x^2 + 13x - 7 = 0$
 $\Rightarrow 2x^2 + 14x - x - 7 = 0$
 $\Rightarrow 2x(x + 7) - 1(x + 7) = 0$
 $\Rightarrow (x + 7)(2x - 1) = 0$
 $\Rightarrow -7, \frac{1}{2}$
II. $2y^2 - 5y + 3 = 0$
 $\Rightarrow 2y^2 - 2y - 3y + 3 = 0$
 $\Rightarrow 2y(y - 1) - 3(y - 1) = 0$

$$\Rightarrow (y - 1)(2y - 3) = 0$$

$$\Rightarrow y = 1, \frac{3}{2}$$

$$\Rightarrow y > x$$

62. (1) I. $2x^2 - 15x + 28 = 0$

$$\Rightarrow 2x^2 - 8x - 7x + 28 = 0$$

$$\Rightarrow 2x(x - 4) - 7(x - 4) = 0$$

$$\Rightarrow x = 4, \frac{7}{2}$$

II. $4y^2 - 16y + 15 = 0$

$$\Rightarrow 4y^2 - 10y - 6y + 15 = 0$$

$$\Rightarrow 2y(2y - 5) - 3(2y - 5) = 0$$

$$\Rightarrow (2y - 5)(2y - 3) = 0$$

$$\Rightarrow y = \frac{5}{2}, \frac{3}{2}$$

$$\Rightarrow x > y$$

63. (4) I. $x^2 + 8x + 16 = 0$

$$\Rightarrow (x + 4)^2 = 0$$

$$\Rightarrow x = -4, -4$$

II. $y^2 = 16$

$$\Rightarrow y = \pm 4$$

$$\Rightarrow y \geq x$$

64. (5) I. $x^2 - 2x - 24 = 0$

$$\Rightarrow x^2 - 6x + 4x - 24 = 0$$

$$\Rightarrow x(x - 6) + 4(x - 6) = 0$$

$$\Rightarrow (x - 6)(x + 4) = 0$$

$$\Rightarrow x = 6, -4$$

II. $y^2 + 8y = 0$

$$\Rightarrow y(y + 8) = 0$$

$$\Rightarrow y = 0, -8$$

No relation

65. (1) I. $x^2 + 4x = 0$

$$\Rightarrow x(x + 4) = 0$$

$$\Rightarrow x = 0, -4$$

II. $y^2 + 10y + 25 = 0$

$$\Rightarrow (y + 5)^2 = 0$$

$$\Rightarrow y = -5, -5$$

$$\Rightarrow x > y$$

66. (3) Let the period of time be T years

$$\therefore 800 + \frac{800 \times 12 \times T}{100} = 910 + \frac{910 \times 10 \times T}{100}$$

$$\Rightarrow 800 + 96T = 910T + 91T$$

$$\Rightarrow 96T - 91T = 910 - 800$$

$$\Rightarrow 5T = 100$$

$$\Rightarrow T = \frac{110}{5} = 22 \text{ years}$$

67. (1) Let the rate of interest be R percent per annum

$$\therefore \frac{400 \times 2 \times R}{100} + \frac{500 \times 4 \times R}{100} + \frac{1200 \times 6 \times R}{100} = 1020$$

$$\Rightarrow 8R + 22R + 72R = 1020$$

$$\Rightarrow 102R = 1020$$

$$\Rightarrow R = \frac{1020}{102} = 10\%$$

68. (2) Triple = $3 \times 100 = 300\%$

$$\text{Interest Rate} = \frac{\text{Total percentage} - 100\%}{\text{Number of years}}$$

$$= \frac{300 - 100}{20} = \frac{200}{20} = 10\%$$

Then,

$$\text{Double} = 2 \times 100 = 200\%$$

Number of years

$$= \frac{\text{Total percentage} - 100\%}{\text{Number of years}}$$

$$= \frac{200 - 100}{10} = \frac{100}{10} = 10 \text{ years}$$

69. (4) Let the sum be Rs. P

$$\frac{P \times 5 \times 15}{100 \times 12} - \frac{P \times 4 \times 8}{100 \times 12} = 129$$

$$\Rightarrow \frac{P}{100 \times 100} (75 - 32) = 129$$

$$\Rightarrow P = \frac{129 \times 1200}{43} = \text{Rs. } 3600$$

70. (4) Let the sum lent in each case be Rs. P

Then,

$$\Rightarrow \frac{P \times 9 \times 2}{100} + \frac{P \times 10 \times 2}{100} = 750$$

$$\Rightarrow \frac{P \times 2}{100} (9 + 10) = 760$$

$$\Rightarrow \frac{2 \times 19P}{100} = 760$$

$$\Rightarrow P = \frac{760 \times 100}{2 \times 19} = \text{Rs. } 2000$$

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ENGLISH LANGUAGE

- | | |
|---|---|
| <p>91. (1) Change 'in remanding' into 'on remand'.
92. (3) Change 'to be' into 'being'.
93. (5) No error.
94. (2) Replace 'being' into 'was'.</p> | <p>95. (1) Change 'present' into 'presents'.
96. (4) Remove 'been'.
97. (5) No error.
98. (3) Change 'has been' into 'have been'.
99. (2) Change 'emphasize' into 'emphasizes'.
100. (4) Replace 'are' by 'is'.</p> |
|---|---|

VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Outlook	a person's point of view or general attitude to life	दृष्टिकोण
essential	absolutely necessary	अत्यावश्यक, अनिवार्य
Equity	the quality of being fair and impartial	निष्पक्षता
Grave	serious or critical	गंभीर, संगीन
Mainstay	a thing on which something else is based or depends	आधार, सहारा
Untapped	available but not yet used	अप्रयुक्त
Perpetrators	culprit	अपरोधी, दोषी
Holistic	considering a whole thing or being to be more than a collection of parts	समग्र
Verdant	(of countryside) green with grass or other rich vegetation	हरा-भरा
Embark on	to start to do something new or difficult	शुरूआत करना
Conviction	a firmly held belief or opinion	दृढ़ विश्वास
Emphatic	showing or giving emphasis	प्रभावी

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IBPS PO SPECIAL PRELIMS MOCK TEST - 376 (ANSWER KEY)

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