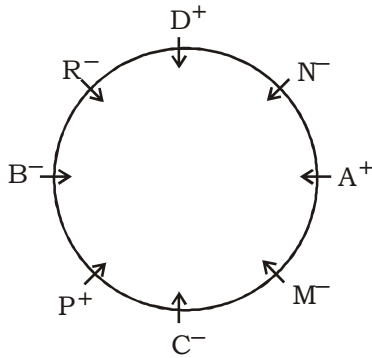


IBPS PO SPECIAL PHASE - I - 324 (SOLUTION)

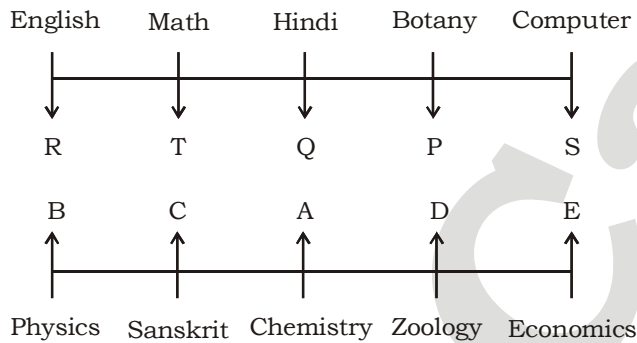
REASONING

(1-5):



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

(6-10):



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

(11-15):

- 11.(5) **Given statement :**
 $R < O \leq L \leq E$... (i)
 $G = E \geq S$... (ii)
 $P \leq S$... (iii)
 Combining (i), (ii) and (iii),
 $R < O \leq L \leq E = G \geq S \geq P$
 I. $R > P \rightarrow$ False
 II. $P \leq E \rightarrow$ True
 Only conclusion II is true

- 12.(1) **Given statement :**
 $S \leq P \leq A = R > E \leq D$
 I. $A > D \rightarrow$ False
 II. $S \leq E \rightarrow$ False
 Neither conclusion I or II is true

- 13.(2) **Given statement :**
 $R < O \leq L \leq E = G \geq S \geq P$
 I. $O < G \rightarrow$ Cant' say
 II. $G = O \rightarrow$ Cant' say
 Either conclusion I or II is true

- 14.(1) **Given statement :**
 $M \geq O \geq L \geq T = E \geq D$
 I. $D \leq O \rightarrow$ True
 II. $M \geq E \rightarrow$ True
 Both conclusion I and II are true
15. (5) **Given statement :**
 $B < C = D \leq X \leq Y < Z$
 I. $B < X \rightarrow$ True
 II. $Z \leq C \rightarrow$ False
 Only conclusion I is true

(16-19):

- must adapt and change \rightarrow ki la bx tu
 little better than nothing \rightarrow ex qa fn rm
 change a must here \rightarrow gm tu dr la
 here to adapt better \rightarrow fn bx ms dr

- 16.(5) better \Rightarrow fn
 and \Rightarrow ki
 The code for 'improved' may be 'yz'.

- 17.(4) gm \Rightarrow a

- 18.(1) must bring change \rightarrow op la tu

- Now,
 bring \Rightarrow op
 here \Rightarrow dr
 The code for 'peace' may be 'ov'

- 19.(2) than \Rightarrow cx/ qa/rm

- 20.(3)
- | | | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| ⁺¹ O | ⁺¹ R | ⁺¹ D | ⁺¹ I | ⁻¹ N | ⁻¹ A | ⁻¹ Y |
| ↙ ↘ | ↙ ↘ | ↙ ↘ | ↙ ↘ | ↙ ↘ | ↙ ↘ | ↙ ↘ |
| J | E | S | P | X | Q | Z |
| ↙ ↘ | ↙ ↘ | ↙ ↘ | ↙ ↘ | ↙ ↘ | ↙ ↘ | ↙ ↘ |
| ⁺¹ T | ⁺¹ E | ⁺¹ M | ⁺¹ P | ⁻¹ O | ⁻¹ R | ⁻¹ A |
| ↙ ↘ | ↙ ↘ | ↙ ↘ | ↙ ↘ | ↙ ↘ | ↙ ↘ | ↙ ↘ |
| Q | N | F | U | K | Z | Q |

(21-25):

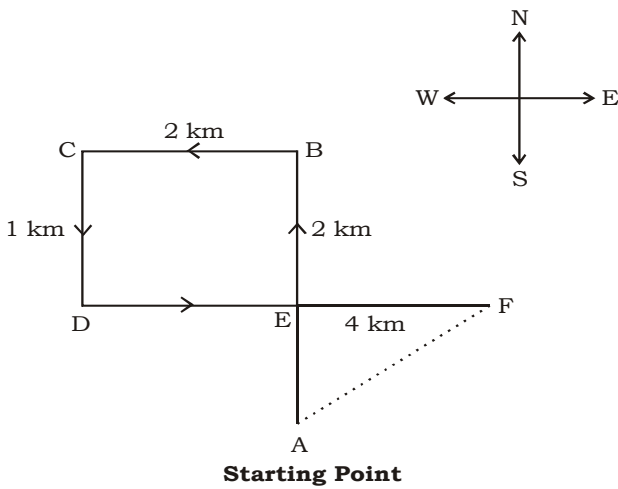
Persons	Months	Colors
R	January	Red
N	February	Green
O	April	Pink
L	May	White
Q	July	Purple
M	September	Blue
P	December	Black

21. (5) 22. (1) 23. (2)
 24. (1) 25. (5)

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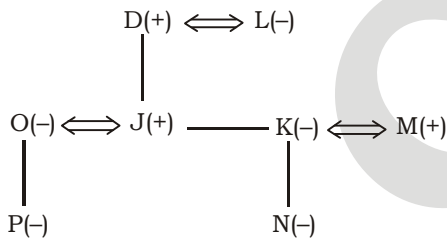
(26-27):



- 26.(4) South-West
27.(2) EF = DE = 2 km
AE = BE = CD = 1 km
Now,
 $AF = \sqrt{(AE)^2 + (EF)^2}$
 $= \sqrt{1^2 + 2^2} = \sqrt{5}$ km

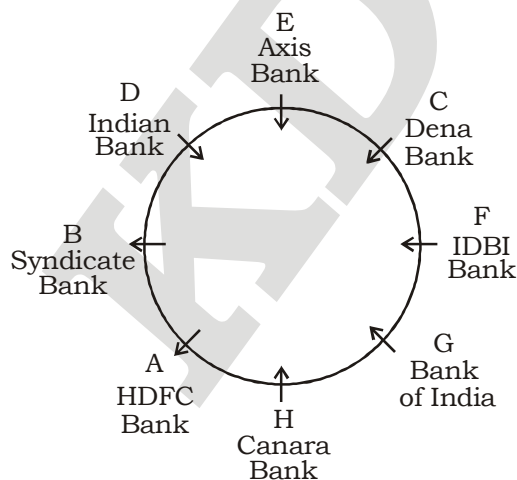
(28-30) :

Family Tree



28. (3) 29. (1) 30. (2)

(31-35) :



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

Maths

(36-40):

36. (4) Required members = $\frac{130}{100} \times 220 = 286$
37. (5) Required Ratio = $\frac{60 + 210}{70 + 150} = \frac{270}{220} = 27 : 22$
38. (5) Required % = $\frac{60}{150} \times 100 = 20 \times 2 = 40\%$
39. (2) Required %
 $= \frac{(60 + 140 + 200 + 70) - (240 + 150)}{(240 + 150)} \times 100$
 $= \frac{470 - 390}{390} \times 100$
 $= \frac{80}{390} \times 100 = 20.51\% \approx 21\%$
40. (3) Required % = $\frac{(240 + 150) - (170 + 70)}{(170 + 70)} \times 100$
 $= \frac{150}{240} \times 100 = 62.5\%$

(41-45):

41. (1) The number series is:
4 3 4 7 15 **38.5**
↑ ↑ ↑ ↑ ↑ ↑
 $\times 0.5 + 1$ $\times 1 + 1$ $\times 1.5 + 1$ $\times 2 + 1$ $\times 2.5 + 1$
42. (2) The number series is:
7 5 7 17 63 **309**
↑ ↑ ↑ ↑ ↑ ↑
 $\times 1 - 2$ $\times 2 - 3$ $\times 3 - 4$ $\times 4 - 5$ $\times 5 - 6$
43. (3) The number series is:
11 14 19 28 43 **66**
↑ ↑ ↑ ↑ ↑ ↑
+3 +5 +9 +15 +23
↑ ↑ ↑ ↑ ↑
+2 +4 +6 +8
44. (5) The number series is:
2 60 10 120 30 **210**
↓ ↓ ↓ ↓ ↓ ↓
 $1^3 + 1$ $4^3 - 4$ $2^3 + 2$ $5^3 - 5$ $3^3 + 3$ $6^3 - 6$
45. (1) The number series is:
23 50 108 232 492 **1028**
↑ ↑ ↑ ↑ ↑ ↑
 $\times 2 + 4$ $\times 2 + 8$ $\times 2 + 16$ $\times 2 + 28$ $\times 2 + 44$

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(46-50):

46. (5) Required no. of employees

$$= \frac{60}{100} \times \frac{30}{100} \times 300 + \frac{40}{100} \times \frac{10}{100} \times 300$$

$$= 54 + 12 = 66$$

47. (4) Required Ratio = 65 : 20
= 13 : 4

48. (4) HR employees in company P
= 26 × 4 = 104

Marketing employee in company T
= 10 × 3 = 30

$$\text{Required \%} = \frac{104 - 30}{30} \times 100 = 246.67\%$$

49. (3) Required Ratio = $\frac{48+140}{22+21} = \frac{188}{43} = 188 : 43$

50. (1) Required difference = (56 + 65 + 70 + 54)
- (28 + 35 + 22 + 21) = 245 - 106 = 139

51. (2) Ratio = $\frac{1}{18} : \frac{1}{10} = 10 : 18 = 5 : 9$

$$\text{Required Quantity} = \frac{3}{5} \times 9 = \frac{27}{5} = 5 \frac{2}{5} \text{ litre}$$

52. (3) S.P. of two bullock = 8400 + 8400 = ₹ 16800

$$\text{C.P. of first bullock} = \frac{100}{120} \times 8400 = 7000$$

$$\text{C.P. of first bullock} = 16800 - 7000$$

$$\text{Required \% loss} = \frac{9800 - 8400}{9800} \times 100$$

$$= \frac{1400}{9800} \times 100 = \frac{7}{49} \times 100 = \frac{100}{7} = 14 \frac{2}{7} \%$$

53. (3) $\frac{S_2}{S_1} = \sqrt{\frac{36}{25}} = \frac{6}{5}$

$$\frac{S_2}{S_1} = \frac{45 \times 6}{5} = 54 \text{ km/hr}$$

54. (4) Saving% = 100 - (20 + 56) = 24%
∴ 24% = 1800

$$\therefore 100\% = \frac{1800}{24} \times 100 = ₹ 7500$$

55. (2) In 6 days part of the work done by A

$$= \frac{6}{8} = \frac{3}{4}$$

during 2 days, part of work destroyed by B

$$= \frac{2}{3}$$

$$\text{Work done} = \frac{3}{4} - \frac{2}{3} = \frac{9 \times 8}{12} = \frac{1}{12}$$

$$\text{Remaining work} = 1 - \frac{1}{12} = \frac{11}{12}$$

$$\therefore \text{Required no. of days} = \frac{11}{12} \times 8 = 7 \frac{1}{3} \text{ days}$$

(56-60):

$$56. (3) ? = \frac{394 \times 57}{100} - \frac{996 \times 2.5}{100}$$

$$= \frac{400 \times 57}{100} - \frac{1000 \times 2.5}{100}$$

$$= 228 - 25 = 203$$

$$\therefore \text{Required answer} = 200$$

$$57. (4) ? = 97 \times 10 + 1 = 971$$

$$\therefore \text{Required answer} = 971$$

$$58. (4) ? = \frac{3}{5} \times \frac{1125}{1228} \times 7 = 4$$

$$59. (2) ? = \frac{\sqrt{339} \times 25}{30} = 15$$

$$60. (5) ? = \frac{638 + 9709 - 216}{26} = 390$$

(61-65):

$$61. (2) 6x^2 + 21x + 10x + 35 = 0$$

$$3x(2x + 7) + 5(2x + 7) = 0$$

$$(3x + 5)(2x + 7) = 0$$

$$x = \frac{-5}{3}, \frac{-7}{2}$$

$$2y^2 + 2y + y + 1 = 0$$

$$2y(y + 1) + 1(y + 1) = 0$$

$$(2y + 1)(y + 1) = 0$$

$$y = \frac{-1}{2}, -1$$

$$x < y$$

$$62. (3) 2x^2 - 4x - \sqrt{13}x + 2\sqrt{13} = 0$$

$$2x(x - 2) - \sqrt{13}(x - 2) = 0$$

$$x = 2, \frac{\sqrt{13}}{2}$$

$$10y^2 - 18y - 5\sqrt{13}y + 9\sqrt{13} = 0$$

$$2y(5y - 9) - \sqrt{13}(5y - 9) = 0$$

$$y = \frac{9}{5}, \frac{\sqrt{13}}{2}$$

$$x \geq y$$

63. (3) $2x^2 + 4x + 5x + 10 = 0$
 $2x(x + 2) + 5(x + 2) = 0$

$$x = -2, \frac{-5}{2}$$

$$4y^2 + 28y + 45 = 0$$

$$4y^2 + 18y + 10y + 45 = 0$$

$$2y(2y + 9) + 5(2y + 9) = 0$$

$$y = \frac{-5}{2}, \frac{-9}{2}$$

$$x \geq y$$

64. (5) $15x^2 - 20x + 9x - 12 = 0$
 $5x(3x - 4) + 3(3x - 4) = 0$

$$x = \frac{-3}{5}, \frac{4}{3}$$

$$20y^2 - 25y - 24y + 30 = 0$$

$$5y(4y - 5) - 6(4y - 5) = 0$$

$$x = \frac{6}{5}, \frac{5}{4}$$

No relation can be established

65. (5) $2x^2 - 10x + 3x - 15 = 0$
 $2x(x - 5) + 3(x - 5) = 0$

$$x = -\frac{3}{5}, 5$$

$$6y^2 + 14y + 3y + 7 = 0$$

$$2y(3y + 7) + 1(3y + 7) = 0$$

$$y = -\frac{1}{2}, \frac{-7}{3}$$

No relation can be established

66. (1) $5x : 6x$,
 Let B investment was used for y months
 $8 \times 5x : 6x \times y = 5 : 9$

$$\Rightarrow \frac{40x}{6xy} = \frac{5}{9}$$

$$y = 12$$

67. (1) $P = \frac{{}^3C_1 \times {}^5C_1}{{}^{12}C_2} = \frac{5}{22}$

68. (5) Let the sum be ₹ x

$$\Rightarrow \frac{x \times 8 \times 2}{100} + \frac{x \times 10 \times 3}{100} + \frac{x \times 6 \times 3}{100} = 12800$$

$$\Rightarrow \frac{64x}{100} = 12800$$

$$\text{Sum} = 12800 \times \frac{100}{64} = ₹ 20000$$

69. (4) Let no. of student in class A, B and C be x,
 y and z

$$A = 83x$$

$$B = 76y$$

$$C = 85z$$

$$\text{Now, } A + B = 79x + 79y$$

$$B + C = 81(y + z) = 81y + 81z$$

$$83x + 76y = 79x + 79y$$

$$4x = 3y$$

$$\frac{x}{y} = \frac{3}{4}$$

$$\text{And, } 76y + 85z = 81y + 81z$$

$$5y = 4z$$

$$\therefore x : y : z = 3 : 4 : 5$$

$$\therefore \text{Required average} = \frac{83 \times 3 + 76 \times 4 + 85 \times 5}{12}$$

$$= \frac{249 + 304 + 425}{12} = \frac{978}{12} = 81.5$$

70. (5) Volume of hemi-sphere

$$= \frac{2}{3} \times \pi \times (27)^3 \text{ cm}^3$$

$$\text{Volume of cylindrical bottle} = \pi r^2 h$$

$$= \pi \times (3)^2 \times 9$$

$$\therefore \text{Required No. of bottles} = \frac{\frac{2}{3} \pi \times (27)^3}{\pi \times (3)^2 \times 9}$$

$$= 2 \times 3 \times 27 = 162 \text{ bottles}$$

ENGLISH LANGUAGE

(91-95) : (CGDBFEA)

91. (2) 92. (1) 93. (3)

94. (4) 95. (2)

96. (4) Replace 'with' by 'about'.

97. (3) Replace 'yet' by 'but'.

98. (1) Replace 'deliberately' by 'deliberate'.

99. (1) Replace 'based' by 'having'.

100. (5) No error.

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VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Nascent	Emerging; just coming into existence.	उदीयमान, उभरता हुआ
Insolvent	Unable to pay one's bills or discharge financial obligations.	दिवालिया, निर्धन
Allege	To assert without proof.	आरोप लगाना
Ponzi scheme	A swindle in which a quick return, made up of money from new investors, on an initial investment lures the victim into much bigger risks.	छल, भ्रष्ट योजना
Pose	To assert, state, or put forward	पेश करना
Expedience	The quality of being suited to the end in view	लाभ, सुविधा
Facilitates	to make easier or less difficult	सरल बनाना, मदद देना
Prudential	Having caution with regard to practical matters; discretion	चातुर्य पूर्ण, बुद्धिमानी
Brick-and-mortar	Pertaining to conventional stores, businesses, etc., having physical buildings and facilities, as opposed to Internet or remote services.	भौतिक अस्तित्व
Complementary	acting as or providing a complement (something that completes the whole)	पूरक, पूरा करने वाला
Expedite	To speed up the progress of	शीघ्र निबटाना, जल्दी करना
Entangling	Twisted together or entwine into a confusing mass	फँसा हुआ, घिरा हुआ

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IBPS PO SPECIAL PHASE - I - 324 (ANSWER KEY)

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