

IBPS PO SPECIAL PHASE - I - 359 (SOLUTION)

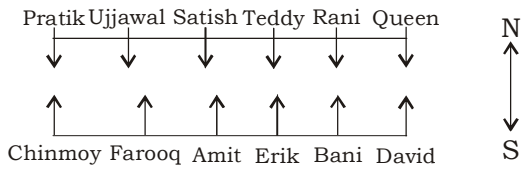
REASONING

(1-5):

Day	Name	Hobby Classes
Monday	Ganesh	Martial Art
Tuesday	Faisal	Playschool
Wednesday	Aaron	Instrumental music
Thursday	Clarke	Adventure Activities
Friday	Dipesh	Vocal Music
Saturday	Edward	Dance
Sunday	Bruce lee	Sport and fitness

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

(6-10):



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

(11-15):

- \$ ⇒ = ? ⇒ <
% ⇒ > © ⇒ ≥
⇒ ≤

11. (3) $A \geq P > E < F \leq S$

- I. $S > E \rightarrow$ True
II. $A > E \rightarrow$ True
III. $F > P \rightarrow$ False
Only I and II follow

12. (4) $P < W = Q > S \geq A$

- I. $A < Q \rightarrow$ True
II. $Q > P \rightarrow$ True
III. $W > A \rightarrow$ True
All I, II and III follow

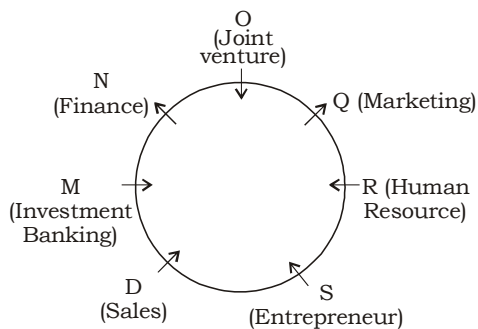
13. (4) $L > N \leq T = D < A$

- I. $L > A \rightarrow$ False
II. $L \leq A \rightarrow$ False
III. $A > N \rightarrow$ True
Only III follows

14. (1) $M \leq Q = K < A \leq V$
 I. $K \geq M \rightarrow$ True
 II. $A > Q \rightarrow$ True
 III. $A > M \rightarrow$ True
 All I, II and III follow

15. (1) $E = C < A \geq R \leq S$
 I. $S > A \rightarrow$ False
 II. $R < C \rightarrow$ False
 III. $R \leq E \rightarrow$ False
 None follows

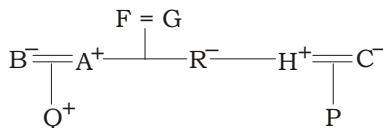
(16-20) :



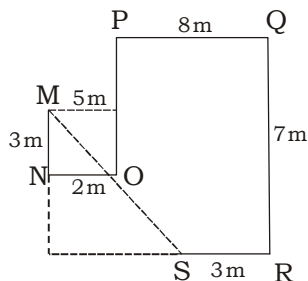
16. (4) 17. (1) 18. (2) 19. (1) 20. (3)

(21-25) :

21. (4) From both I and II statement, G is grandfather or grandmother of Q.

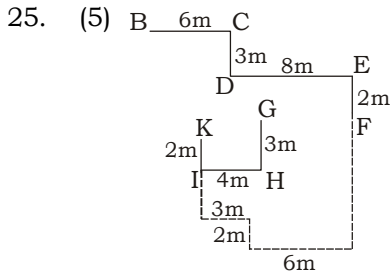


22. (1) From I



From II, We do not have any relation of point M and S because there is no information about S.

23. (4) From statement I and II, we cannot determined W's direction thus statement I and II not sufficient to give answer the questions.
 24. (4) From statement I and II, we cannot determined chankya rank in his class thus both statement not sufficient to given answer the question.



Line show statement I Dotted line show statement II

In statement II person reaches point F from K

GF = 5 m

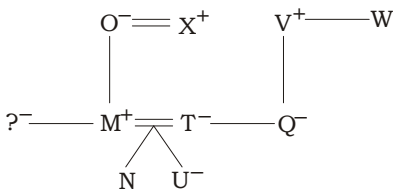
So D is North west of point G.

(26-30) :

Floor	Person
8	C
7	D
6	F
5	A
4	B
3	G
2	E
1	H

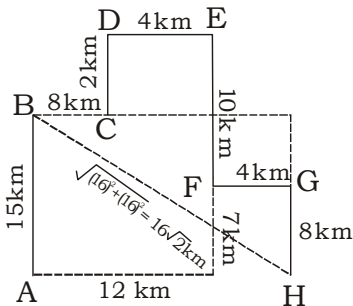
26. (5) 27. (2) 28. (4) 29. (3) 30. (4)

(31-33) :



31. (4) 32. (3) 33. (5)

(34-35) :



34. (4) $BH = 16\sqrt{2}$ km
 35. (2) $FB = 7 + 12 + 15 = 7 + 27 = 34$ km

MATHS

(36-40) :

36. (4) ? = $(4576 + 3286 + 5639) \div (712 + 415 + 212) = 13501 \div 1339 = 10.08 \approx 10$

37. (5) ? = $675.456 + 12.492 \times 55.671$
 $\approx 675 + 12.5 \times 56 = 675 + 700 = 1375 \approx 1371$

38. (1) ? $\approx (447)^2 = 199809 \approx 200000$

39. (3) ? = $\frac{4374562 \times 64}{7777} = 35999.99 \approx 36000$

40. (2) ? = $\frac{659 \times 872}{100} \div 543 = 10.58 \approx 11$

(41-45) :

41. (1) Required difference = $(32.5 - 22.5)$ lakh = 10 lakh

42. (2) Income per person in

$$\text{City A} = \frac{200 \times \frac{36}{100}}{55} = 1.30 \text{ crore}$$

$$\text{City B} = \frac{200 \times \frac{16}{100}}{40} = 0.8 \text{ crore}$$

$$\text{City C} = \frac{200 \times \frac{20}{100}}{65} = 0.61 \text{ crore}$$

$$\text{City E} = \frac{200 \times \frac{10}{100}}{57.5} = 0.34 \text{ crore}$$

$$\text{City F} = \frac{200 \times \frac{4}{100}}{42.5} = 0.18 \text{ crore}$$

\therefore Required answer is city F.

43. (4) Required sum = $\frac{30 + 22.5 + 35 + 30 + 25 + 17.5}{6} + \frac{25 + 17.5 + 30 + 32.5 + 32.5 + 25}{6}$
 $= 26.66 + 27.08 = 53.74 \approx 54$ lakh

44. (1) Required difference = $\frac{200 \times \frac{36}{100}}{55} \times 5 = 6.545$ crore

45. (3) Required % = $\left(\frac{30}{25} \times 100\right)\% = 120\%$

(46-50) :

46. (3) The given number series is based on the following pattern :

$13 \times 1 + 1 = 14$

$14 \times 2 + 2 = 30$

$30 \times 3 + 3 = 93$

$93 \times 4 + 4 = 376$

$376 \times 5 + 5 = 1885$

$\therefore ? = 1885 \times 6 + 6 = \mathbf{11316}$

Hence, number 11316 will replace the question mark.

47. (2) The given number series is based on the following pattern :

$$4 \times 1.5 = 6$$

$$6 \times 1.5 = 9$$

$$9 \times 1.5 = 13$$

$$13 \times 1.5 = 20.25$$

$$20.25 \times 1.5 = 30.375$$

$$30.375 \times 1.5 = \mathbf{45.5625}$$

48. (4) The given number series is based on the following pattern :

$$400 \times 0.6 = 240$$

$$240 \times 0.6 = 144$$

$$144 \times 0.6 = 86.4$$

$$86.4 \times 0.6 = 51.84$$

$$51.84 \times 0.6 = 31.04$$

$$31.104 \times 0.6 = \mathbf{18.06624}$$

49. (1) The given number series is based on the following pattern :

$$9 \times 0.6 = 4.5$$

$$4.5 \times 1 = 4.5$$

$$4.5 \times 1.5 = 6.75$$

$$6.75 \times 2 = 13.5$$

$$13.5 \times 2.5 = 33.75$$

$$33.75 \times 3 = 101.25$$

50. (5) $705 + 1 \times 23 = 728$

$$728 + 2 \times 23 = 774$$

$$774 + 3 \times 23 = 843$$

$$843 + 4 \times 23 = 935$$

$$935 + 5 \times 23 = 1050$$

$$\therefore ? = 1050 + 6 \times 23 = 1050 + 138 = \mathbf{1188}$$

51. (4) Let C.P = ₹100

$$\text{MP} = ₹150$$

ATQ,

$$\text{SP} = 75 + 25 \times \frac{75}{100} + 50 \times \frac{80}{100} = 75 + 18.75 + 40 = ₹ 133.75$$

$$\therefore \text{Profit}\% = \left[\frac{133.75 - 100}{100} \times 100 \right] \% = 33.75\%$$

52. (3) Let the age Sunil and Karim is $7x$ and x respectively.

ATQ,

$$\frac{7x - 4}{x - 4} = \frac{19}{1}$$

$$7x - 4 = 19x - 76$$

$$12x = 72$$

$$x = 6$$

So, present age of Sunil = 42 years

After 4 years age of Sunil = 46 years

53. (3) $SI = \frac{PRT}{100}$

ATQ,

$$170400 = \frac{P \times 10 \times 5 + P \times 8 \times 7 + P \times 12 \times 3}{100}$$

$$170400 = \frac{50P + 56P + 36P}{100}$$

$$170400 = \frac{142P}{100}$$

$\therefore P = ₹ 1,20,000$

54. (5) Let the quantity of the chemical in the bottle originally be x liters

ATQ,

Then, quantity of chemical left in bottle after 5 operation = $\frac{x \left(1 - \frac{12}{x}\right)^5}{x} = \frac{32}{243}$

$$\left(1 - \frac{12}{x}\right)^5 = \left(\frac{2}{3}\right)^5$$

$$\frac{x - 12}{x} = \frac{2}{3}$$

$$3x - 36 = 2x$$

$$x = 36 \text{ litres}$$

Hence, 36 litres of chemical was the bottle hold originally.

55. (1) Let investment time of Gaurav was for x months

Ratio of their investment = Ratio of profit distribution

$$5 \times 8 : 6 \times x = 5 : 9$$

$$\therefore x = \frac{40 \times 9}{6 \times 5} = 12 \text{ months}$$

(56-60):

56. (1) Total marks obtained by all the students in Maths = $70 + 110 + 100 + 120 + 60 = 460$

$$\therefore \text{Required\%} = \left(\frac{120}{460} \times 100\right)\% = 26.08\% \approx 26\%$$

57. (5) New marks of Ena in Reasoning = $50 \times \frac{114}{100} = 57$

$$\therefore \text{Required \%} = \left(\frac{57}{140} \times 100\right)\% = 40.71\% \approx 41\%$$

58. (2) Total marks obtained by Ena in both the subjects together = $50 + 60 = 110$

It is more than the marks obtained by Bipin in Reasoning.

59. (5) Required ratio = $(130 + 70) : (80 + 100) = 200 : 180 = 10 : 9$

60. (2) Required ratio = $(110 + 120) : (130 : 80) = 230 : 210 = 23 : 21$

61. (1) Let the number of males and females are 700 and 900.

$$\text{No. of literate males} = \frac{700}{14} \times 11 = 550$$

and no. of illeterate males = 150

$$\text{No. of candidates filled the form for SSC} = \frac{550}{11} \times 9 = 450$$

$$\text{and no of candidates who absent in the exam day} = \frac{450}{9} \times 2 = 100$$

$$\therefore \text{ Required ratio} = 900 : 100 = 9 : 1$$

62. (2) Bipin completes 50% of a task in 25 days.

In 1 day, Bipin completes 2% of the task.

Now, Madan is 40% as efficient as Bipin.

In 1 day, % of work completed by Madan = 40% of 2 = 0.8%

Also, Suresh is 50% as efficient as Madan

In 1 day, % of completed by Suresh = 50% of 0.8 = 0.4%

In 1 day, working together Bipin, Madan and Suresh finish % of work
= (2 + 0.8 + 0.4) = 3.2%

% of work to be completed = 50%

$$\therefore \text{ Number of days which they will take} = \frac{50}{3.2} = \frac{125}{8} = 15\frac{5}{8} \text{ days}$$

63. (4) It can be seen that by travelling 12 km (30 – 18) more at original speed, the bus reaches 9 minutes earlier. So, in order to reach 45 minutes earlier, it has to travel a distance of 60 km more at original speed.

So the distance between points Delhi and Jaipur = (18 + 60) = 78 kms.

64. (2) In 1 hour, both pipes P and Q can fill = $\frac{1}{12} + \frac{1}{15} = \frac{3}{20}$

$$\text{Again, in 1 hour, both pipes P and R} = \frac{1}{12} + \frac{1}{20} = \frac{2}{15}$$

$$\text{In 2 hours, part filled} = \frac{3}{20} + \frac{2}{15} = \frac{17}{60}$$

$$\text{In 6 hours, part filled} = \frac{3 \times 17}{60} = \frac{17}{20}$$

$$\text{Remaining part} = 1 - \frac{17}{20} = \frac{3}{20}$$

As the pipes are opened alternatively, after P and R, now it is the turn for pipes P and Q.

Pipes P and Q can fill $\frac{3}{20}$ part in 1 hour.

$$\therefore \text{ Total time taken} = 6 + 1 = 7 \text{ hours}$$

65. (4) Lucky saves 10% of his income while spends the rest of his income on food, clothes and rent in the ratio of 2 : 4 : 5.

Let the amount spent on food, clothes and rent be $2x$, $4x$ and $5x$ respectively.

Given, amount spent on clothes is ₹ 2880.

$$4x = 2880$$

$$x = 720$$

Total amount being spent on food, clothes and rent = $2x + 4x + 5x = 11x$

$$= 11 \times 720 = ₹ 7920$$

Now, the amount being spent is 90% of his income as he saves 10%.

$$90\% \text{ of income} = ₹ 7920$$

$$\therefore \text{Income} = \frac{7920}{90} \times 100 = ₹ 8800$$

(66-70) :

66. (1) I. $16x^2 + 20x + 6 = 0$

$$8x^2 + 10x + 3 = 0$$

$$8x^2 + 6x + 4x + 3 = 0$$

$$2x(4x + 3) + 1(4x + 3) = 0$$

$$(2x + 1)(4x + 3) = 0$$

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

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

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

$$5y^2 + 15y + 4y + 12 = 0$$

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

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

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

Clearly, $x > y$

67. (2) I. $18x^2 + 18x + 4 = 0$

$$9x^2 + 9x + 2 = 0$$

$$9x^2 + 6x + 3x + 2 = 0$$

$$3x(3x + 2) + 1(3x + 2) = 0$$

$$(3x + 1)(3x + 2) = 0$$

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

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

$$12y^2 + 21y + 8y + 14 = 0$$

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

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

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

Clearly, $x \geq y$

68. (4) I. $8x^2 + 6x - 5 = 0$
 $8x^2 + 10x - 4x - 5 = 0$
 $2x(4x + 5) - 1(4x + 5) = 0$
 $(2x - 1)(4x + 5) = 0$

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

II. $12y^2 - 22y + 8 = 0$
 $6y^2 - 11y + 4 = 0$
 $6y^2 - 8y - 3y + 4 = 0$
 $2y(3y - 4) - 1(3y - 4) = 0$
 $(3y - 4)(2y - 1) = 0$

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

Clearly, $x \leq y$

69. (3) I. $17x^2 + 48x - 9 = 0$
 $17x^2 + 51x - 3x - 9 = 0$
 $17x(x + 3) - 3(x + 3) = 0$
 $(x + 3)(17x - 3) = 0$

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

II. $13y^2 - 32y + 12 = 0$
 $13y^2 - 26y - 6y + 12 = 0$
 $13y(y - 2) - 6(y - 2) = 0$
 $(y - 2)(13y - 6) = 0$

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

Clearly, $x < y$

70. (5) By equation I $\times 2$ + equation II,
 $8x + 14y + 12x - 14y = 418 - 38$
 $20x = 380$
 $x = 19$

From equation I,
 $4 \times 19 + 7y = 209$
 $7y = 209 - 76 = 133$

$$\therefore y = \frac{133}{7} = 19$$

Clearly, $x = y$

ENGLISH LANGUAGE

(86-95):

86. (3) 'for' replace with 'to'.
 87. (1) 'retiring (v + ing)' replace with 'retirement' (Noun).
 88. (3) 'who' replace with 'which' because this comes for 'donation'.
 89. (3) 'not only' will just come before 'for'.
 90. (5) no error
 91. (2) 'I' (Nominative) replace 'me' (objective).
 92. (2) 'despite of' replace with 'despite'.
 93. (2) 'how' replace with 'why' and 'have' replace with 'had'.
 94. (1) 'Buy' replace with 'buying' or 'to buy'.
 95. (5) No error.

VOCABULARIES

Words	Meaning in English	Meaning in Hindi
Cartel	A group of companies which try to earn profit by dishonest	कंपनी का समूह जो अपने फायदे के लिए कार्य करता है।
Dent	Damage	क्षति
Descent	An action of moving downward, dropping or falling	गिरावट, पतन
Cope	Deal with something difficult	सामना करना
Escalation	Increase in price etc	कीमतों में बढ़ोतरी
Sizeable	fairly large	बड़ा
Speculation	The act of guessing without any base	अनुमान
Viable	Practical and having possibility of succeeding	व्यावहारिक
Nourish	To nurture	पोषण करना
Align	To support	समर्थन देना
Heave a sigh of relief	To feel unburdened	राहत की सांस लेना
Conversely	In opposition	इसके विपरीत

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IBPS PO SPECIAL PHASE - I - 359 (ANSWER KEY)

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