

IBPS PO SPECIAL PHASE - I - 351 (SOLUTION)

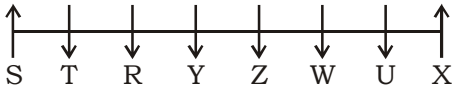
REASONING

(1-5) :

School	Person	Day
III	Aman	Tuesday
IV	Anjali	Wednesday
I	Mahendra	Thursday
VI	Raghu	Saturday
VII	Karan	Sunday
II	Rinku	Monday
V	Bharat	Friday

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

(6 - 10) :



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

(11-14) :

11. (3) Combining all these statements,

$$P = Q \geq I$$

I. $I = P \rightarrow$ Doubt

II. $P > I \rightarrow$ Doubt

Either conclusion I or II follows

12. (4) Combining all these statements,

$$L \geq A \leq B > D$$

I. $B > L \rightarrow$ False

II. $D \geq L \rightarrow$ False

Neither conclusion I nor II follows

13. (2) Combining all these statements,

$$V = X > U < U$$

I. $U > V \rightarrow$ False

II. $V > Y \rightarrow$ True

Only Conclusion II follows

14. (5) Combining all these statements,

$$L \leq K < R = S$$

I. $S > L \rightarrow$ True

II. $K < S \rightarrow$ True

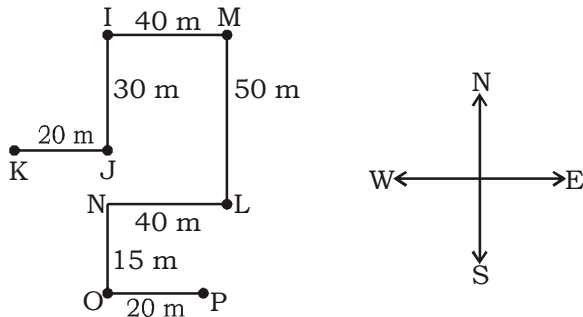
Both conclusion I and II follow

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(15-17) :

According to the given information,



15. (2) J is standing in North Direction with respect to N.
 16. (4) As total Distance between Z and L is not given, so this question can not be determined
 17. (1) K is the North-West direction from P.

(18-22) :

Floor	Person
7	V
6	H
5	T
4	F
3	U
2	E
1	G

18. (2) 19. (3) 20. (4) 21. (4) 22. (3)

(23-27) :

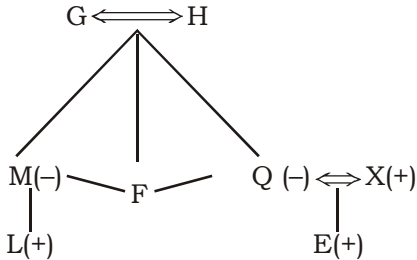
23. (3) First letter of the second word from the left = B
 Second letter of the first word from the right = I
 There are six letters between B and I in the alphabetical order.
24. (4) SLY → LSY
 BUD → BDU
 MET → EMT
 DYE → DEY
 Then, **AIM → AIM**
25. (1) SLY → RKK
 BUD → AVC
 MET → LFS
 DYE → CXF
 AIM → BJJ
26. (5) SLY → SMY
 BUD → CUD
 MET → MFT
 DYE → EYE
 AIM → BIM

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27. (5) SLY BUD MET DYE AIM
AIM BUD DYE MET SLY

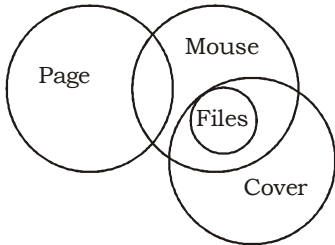
(28-30) :



28. (5) If G has no son then F must be daughter of G. So, F is aunt of L.
29. (2) 30. (1)

(31-35) :

31. (3)

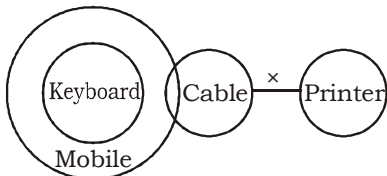


- I. → True II. → True III. → False
Only I and II follow

32. (2)

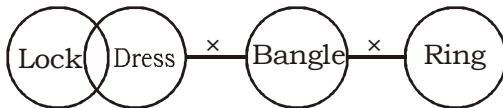
- I. → True II. → False
III. → False
Only I follows

33. (5)



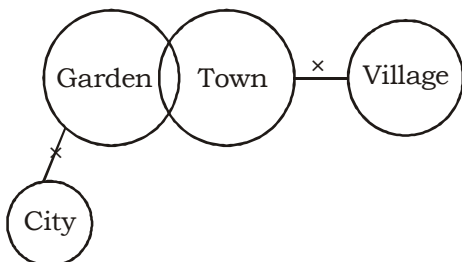
- I. → True II. → True III. → False

34. (1)



- I. → False II. → False III. → False
None follows

35. (5)



- I. → False II. → True III. → True

MATHS

(36-40) :

36. (2) $(47.1)^2 - (7-9)^2 - (12.01)^2 = ?$

$$? \approx (47)^2 - (-2)^2 - (12)^2$$

$$= 2209 - 4 - 144 = 2061 \approx 2070$$

37. (5) $\sqrt{\sqrt{48} \div \sqrt{4900}} \times \sqrt{76} = 184 - ? \div 7$

$$\sqrt{\sqrt{49} \div \sqrt{4900}} \times \sqrt{81} \approx 184 - ? \div 7$$

$$\sqrt{7 \div 70} \times 9 = 184 - ? \div 7$$

$$\frac{?}{7} = 184 - 2.85$$

$$? = 1268.07 \approx 1267$$

38. (4) $(10^{11} \times 3.465 + 10^{12} \times 0.253) \div (120 \times 10^5) = 10^? \div 2$

$$10^{11} (3.465 + 2.53) \div 120 \times 10^5 = 10^? \div 2$$

$$10^{11} \times 6 \div 120 \times 10^5 \approx 10^? \div 2$$

$$10^6 \times \frac{1}{20} \times 2 = 10^?$$

$$? = 5$$

39. (4) $\frac{1863 \div 6.5 - 184}{?} = 851 \div 37$

$$\frac{103}{?} \approx 23$$

$$? = \frac{103}{23} = 4.47 \approx 5$$

40. (3) $(\sqrt{1756} \times \sqrt{567} \div \sqrt{477})^2 = ?$

$$? \approx (42 \times 24 \div 22)^2$$

$$= 2099.30 \approx 2100$$

(41-45) :

41. (4) $\frac{\sqrt{(15 + 24 \times 0.5)}}{\sqrt{10.2 \div ?}} = 3$

$$\frac{\sqrt{27}}{\sqrt{10.2 \div ?}} = 3$$

$$\frac{27}{10.2 \div ?} = 9$$

$$\frac{27}{9} = 10.2 \div ?$$

$$? = \frac{10.2}{3} = 3.4$$

42. (2) $\sqrt{\left(2 + \frac{1}{144}\right)} \div \sqrt{\left(1 + \frac{49}{576}\right)} \times \frac{27}{34} = ? \div 25$

$$\sqrt{\frac{289}{144}} \div \sqrt{\frac{625}{576}} \times \frac{27}{34} = ? \div 25$$

$$\frac{17}{12} \div \frac{25}{26} \times \frac{27}{34} = ? \div 25$$

$$\frac{17}{12} \times \frac{26}{25} \times \frac{27}{34} = \frac{?}{25}$$

$$? = \frac{27}{25} \times 25$$

$$\therefore ? = 27$$

43. (5) $65 \times 9 \div ? - 101 = \sqrt{256}$

$$\frac{65 \times 9}{?} = 16 + 101$$

$$? = \frac{65 \times 9}{117} = 5$$

44. (1) $1\frac{2}{3}$ of 1440 + 40% of 3550 - ? = 61²

$$\frac{5}{3} \times 1440 + \frac{40}{100} \times 3550 - ? = 3721$$

$$2400 + 1420 - ? = 3721$$

$$? = 3820 - 3721 = 99$$

45. (2) $? \div \left(25\% \text{ of } 289 - 32\frac{3}{4}\right) = 0.2$

$$? \div \left(\frac{25}{100} \times 289 - \frac{131}{4}\right) = 0.2$$

$$? \div 39.5 = 0.2$$

$$? = 0.2 \times 39.5 = 7.9$$

(46-50):

46. (3) The number series is:

$$2 \times 7 = 14$$

$$14 \times 6 = 84$$

$$84 \times 5 = 420$$

$$420 \times 4 = 1680$$

$$1680 \times 3 = 5040$$

$$5040 \times 2 = \mathbf{10080}$$

47. (1) The number series is:

$$11^3 + 1 = 1332$$

$$12^3 + 1 = 1729$$

$$13^3 + 1 = 2198$$

$$14^3 + 1 = 2745$$

$$15^3 + 1 = \mathbf{3376}$$

48. (1) The number series is :

$$16 \times 0.5 = 8$$

$$8 \times 1 = 8$$

$$8 \times 1.5 = 12$$

$$12 \times 2 = 24$$

$$24 \times 2.5 = 60$$

$$60 \times 3 = \mathbf{180}$$

49. (3) The number series is :

$$1 \times 1 + 2 = 3$$

$$3 \times 2 + 3 = 9$$

$$9 \times 3 + 4 = 31$$

$$31 \times 4 + 5 = \mathbf{129}$$

$$129 \times 5 + 6 = 651$$

50. (5) The number series is :

$$1^2 + 1 = 2$$

$$2^2 - 1 = 3$$

$$3^2 + 1 = 10$$

$$4^2 - 1 = 15$$

$$5^2 + 1 = \mathbf{26}$$

51. (5) A : B = 2 : 1

and B : C = 7 : 3

A : B : C = 14 : 7 : 3

ATQ,

(7 + 3) unit → 25000

$$\therefore 14 \text{ unit} \rightarrow \frac{25000}{5} \times 14 = ₹ 70,000$$

52. (1) Principal = $\frac{3800 \times 100}{8 \times 5} = ₹ 9,500$

$$\text{Amount} = 9500 \left(1 + \frac{8}{100}\right)^2 = ₹ 11,080.80$$

$$\therefore \text{Compound interest} = 11080.80 - 9500 = ₹ 1,580.80$$

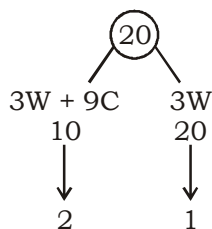
53. (5) Required third number = $344 \times 5 - (650 \times 2 + 100 \times 2)$
 $= 1720 - (1300 + 200) = 1720 - 1500 = 220$

54. (1) Required time = L.C.M of 30 and 90 minutes = 90 minutes

$$\therefore \text{Required time} = 11 \text{ pm} + 90 \text{ minutes} = 12 : 30 \text{ a.m.}$$

55. (3) 12 women work in 5 days

$$3 \text{ women work in } \frac{12 \times 5}{3} = 20 \text{ days}$$



$$9 \text{ children work in } \frac{20}{1} = 20 \text{ days}$$

$$\therefore 36 \text{ children work in } \frac{20 \times 9}{36} = 5 \text{ days}$$


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(56-60) :

56. (3) Required ratio = $900 \times \frac{23}{100} : 450 \times \frac{44}{100}$
= $207 : 198 = 23 : 22$

57. (5) Required total = $840 \times \frac{55}{100} + 540 \times \frac{60}{100}$
= $462 + 324 = 786$

58. (4) Required% = $\left(\frac{360}{220} \times 100\right)\% = 163.63\% \approx 164\%$

59. (1) Total no. of females in departments D and B together = $360 \times \frac{65}{100} + 220 \times \frac{35}{100}$
= $234 + 77 = 311$

Total no. of males in department D and B together = $360 \times \frac{35}{100} + 220 \times \frac{65}{100}$
= $126 + 143 = 269$

\therefore Required ratio = $311 : 269$

60. (2) Required total = $840 + 220 + 900 + 360 + 450 + 540 = 3,310$

61. (2) A tap can fill a tank in 6 hours.

After half the tank is filled, i.e. after 3 hours, three more similar taps are opened.

No. of taps to fill remained half tank = 4 taps

1 tap take 3 hours to fill the tank

4 taps take 45 minutes to fill the tank

Total time taken = 3 hours + 45 min = 3 hours 45 min

62. (1) Total expenditure = $(32 + 12 + 10)\% = 54\%$

Remaining salary = $(100 - 54)\% = 46\%$

Amount invested in fixed deposit on entire year = $54550 \times \frac{23}{100} \times 12 = ₹1,50,558$

63. (3) Let the price of type 2 sugar be ₹ x per kg.

CP of mixture = $\frac{75.60}{120} \times 100 = ₹ 63$

ATQ,

$$\frac{75 - 63}{63 - x} = \frac{3}{1}$$

$$\frac{12}{63 - x} = \frac{3}{1}$$

$$\frac{12}{63 - x} = \frac{3}{1}$$

$$12 = 189 - 3x$$

$$3x = 177$$

$$x = ₹ 59 \text{ per kg.}$$

64. (1) Let the amount invested in first scheme is ₹ 100 and that of second scheme = $100 \times 1.5 = ₹ 150$

CI of first scheme = $150 \times \frac{120}{100} \times \frac{120}{100} - 100 = ₹ 66$


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$$\text{CI of second scheme} = 100 \times \frac{110}{100} \times \frac{110}{100} - 100 = ₹ 21$$

ATQ,

$$(66 - 21) \text{ unit} \rightarrow 2025$$

$$45 \text{ unit} \rightarrow ₹ 2025$$

$$\therefore 100 \text{ unit} \rightarrow ₹ \frac{2025}{45} \times 150 = ₹ 6,750$$

65. (2) Total marks obtained by Nitin in Sanskrit, Science and Social Science = $68 \times 3 = 204$
Correct total marks = $204 - 72 + 81 = 213$

$$\therefore \text{Required\%} = \left(\frac{213}{360} \times 100 \right) \% = 59.16\% \approx 59\%$$

(66-70) :

66. (4) Average no. of votes acquired by Q during the year 2012 to 2016

$$= \frac{3.8 + 3.4 + 4.3 + 4.2 + 4.1}{5} = \frac{19.8}{5} \text{ lakhs} = 3.96 \text{ lakhs}$$

$$\text{Average no. of votes acquired by P during the year 2012 to 2016} = \frac{2.4 + 2.8 + 3.35 + 4.4 + 4.45}{5}$$

$$= \frac{17.4}{5} \text{ lakh} = 3.48 \text{ lakhs}$$

$$\therefore \text{Required more\%} = \left(\frac{3.96 - 3.48}{3.48} \times 100 \right) \% = 13.79\% \approx 14\% \text{ more}$$

67. (2) No. of votes acquired by P in the year 2016 = 4.45 lakhs

$$\text{No. of votes acquired by R in the year 2016} = 1.8 \text{ lakhs}$$

$$\text{Required ratio of voter in the year 2017 (R : P)} = 3 : 2$$

$$\text{Total no. of votes acquired by R in the year 2017} = \frac{3}{2} \times 4.45 = 6.675 \text{ lakhs}$$

$$\therefore \text{No. of votes acquired in the year 2017 than in the year 2016} = 6.675 - 1.8 = 4.875 \text{ lakhs}$$

68. (5) Average of votes acquired by Q during the year 2012 to 2015 = $\frac{3.8 + 3.4 + 4.3 + 4.2}{4}$

$$= 3.925 \text{ lakhs}$$

$$\text{Required decrease \%} = \left(\frac{4.1 - 3.925}{4.1} \times 100 \right) \% = 4.26\% \text{ decrease}$$

69. (3) No. of votes acquired by Q in the year 2015 = 4.2 lakhs

$$\text{No. of votes 12\% more than that acquired by Q} = 4.2 \times \frac{112}{100} = 4.704 \text{ lakhs}$$

$$\text{No. of votes acquired by R in the year 2015} = 2.6 \text{ lakhs}$$

$$\text{Required\%} = \left(\frac{4.704 - 2.6}{2.6} \times 100 \right) \% = 80.9\%$$

70. (3) Total no. of votes acquired by all the three parties in the year 2013 = $2.8 + 3.4 + 2.2$
= 8.4 lakhs

$$\text{No. of votes acquired by Q in the year 2013} = 3.4 \text{ lakhs}$$

$$\therefore \text{Required\%} = \left(\frac{3.4}{8.4} \times 100 \right) \% = 40.47\% \approx 40\%$$



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ENGLISH LANGUAGE

(71 - 77) :

71. (3) Change 'become' into 'becomes' as sentence is in singular form.
72. (1) Change 'investing' into 'invested'.
73. (1) Change 'to' in to 'from' as 'refrain' is followed by 'from'.
74. (1) Change 'estimate' into 'estimated'.
75. (2) Change 'for' into 'to'.
76. (1) Change 'have' into 'had'.
77. (4) Change 'above the plight' into 'on the plight'.

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VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Access	a means of approaching or intering a place	प्रदेश
Relevant	closely connected or appropriate to the matter at hand	उपयुक्त, प्रासंगिक
Contingent	subject to chance	आकस्मिक
Humdrum	dullness, monotony	नीरस
Hazardous	risky, dangerous	खतरनाक
Nourishment	the food or other substances necessary for growth, health and good condition	भोजन या पोषाहार
Consistent	of a person, behavior, or process) unchanging in achievemnt	संगत
Apposite	apt in the circumstances or relation to something	उचित
Outburst	a sudden release of strong emotion	विस्फोट
Infant	a very young child or baby	शिशु


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IBPS PO SPECIAL PHASE - I - 351 (ANSWER KEY)

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