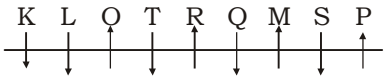
IBPS PO SPECIAL PHASE -I MOCK TEST - 236 (SOLUTION)

REASONING

(1-5):



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

(6-10) :

@ → ≥ # → >
% → = $ → ≤
* → <

6. (4) Combining all statements,
L < D > K ≤ J
I. L > K → False
II. L ≤ K → False
Neither conclusion I nor II is true.

7. (4) Combining all statements,
Q < W = E ≥ K
I. Q ≤ K → False
II. W ≥ K → False
Neither conclusion I nor II is true.

8. (1) Combining all statements,
T > V > M = F
I. T > M → True
II. T ≥ F → False
Only conclusion I is true.

9. (5) Combining all statements,
R = L ≤ M < F
I. F > R → True
II. R < N → True
Both conclusions I and II are true.

10. (1) Combining all statements,
H > I ≥ J ≤ P
I. H > J → True
II. H > P → False
Only conclusion I is true.

(11-15):

Floor	Person
7	W
6	Q
5	S
4	P
3	R
2	V
1	T

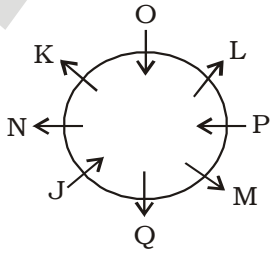
11. (2) 12. (3) 13. (1)
14. (4) 15. (3)

(16-20) :

Village in the state → ra sa je go …(i)
no electricity in village → cs ra po je …(ii)
village with lack access → ma tr ni je. ..(iii)
state have no permission → si cs go pe …(iv)
From (i), (ii) and (iii), village → je …(v)
From (i) and (iv), state → go …(vi)
From (i), (ii) and (v), in → ra …(vii)
From (i), (v), (vi) and (vii), the → sa …(viii)
From (ii) and (iv), no → cs …(ix)
From (ii), (v), (vii) and (ix), electricity → po…(x)
From (iii) and (v), with/lack/access → ma/tr/ni…(xi)
From (iv), (vi) and (ix), have/permission → sl/pe …(xii)

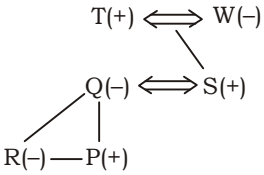
16. (2) 17. (1) 18. (5)
19. (4) 20. (3)

(21-26):



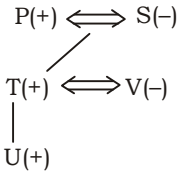
21. (2) 22. (4) 23. (3)
24. (5) 25. (2) 26. (1)

27.(3)



Hence, R is granddaughter of W.

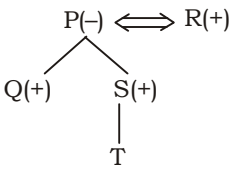
28.(2)



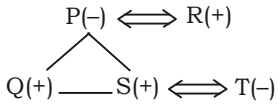
Hence, V is daughter-in-law of P.

29.(4) **Check options one by one:**

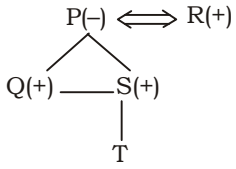
(1)



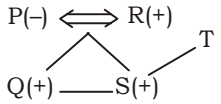
P is grandmother of T. Hence, (1) does not follow.

(2) 

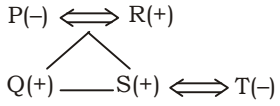
or



P is mother-in-law. or grandmother of T. Hence, (2) does not follow.

(3) 

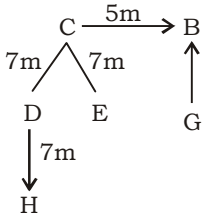
S can't have more than two parents. Hence (3) does not follow.

(4) 

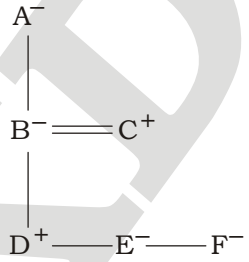
Thus, (4) follows.

30. (4) 

(31-32):



31. (2)
32. (5) Southeast
33. (5) From I and II,



From statement I and II, we can conclusion that B is mother of F.

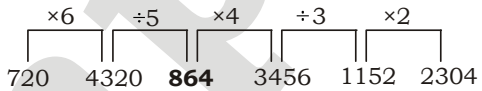
34. (3)
35. (5) **From both I and II.**
Z > Y > V = W > X
(x + p) (x + 5) (x + 5)
Hence Z scores the highest runs.

MATHS

36. (2) The series is $3 \times 1^2 + 2 = 5$,
$5 \times 2 + 3 = 13$,
$13 \times 3^2 + 4 = 121$,
$121 \times 4 + 5 = 489$,
$489 \times 5^2 + 6 = 12231$,.....
Therefore it should be 121 in the place of **120.**

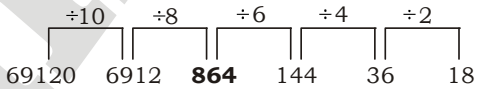
37. (4) The series is $520 + 11^2 = 641$,
$641 - 13^2 = 472$,
$472 + 15^2 = 697$,
$697 - 17^2 = 408$,
$408 + 19^2 = 769$.
Therefore it should be 697 is the place of **700.**

38. (3) The series is



Therefore it should be 864 in place of 865

39. (1) The series is



Therefore, it should be 864 in the place of 1152.

40. (5) The scries is $83 - (1^3 + 1) = 81$,
$81 + (2^3 + 1) = 90$,
$90 - (3^3 + 1) = 62$,
$62 + (4^3 + 1) = 127$,
$127 - (5^3 + 1) = 1$,
Therefore it should be 1 in the place of 10

41. (2) 1st man's 3 day's work = $\frac{3}{9}$

2nd man's 3 day's work = $\frac{3}{6}$

The boy's 3 day's work = $1 - \left(\frac{3}{9} + \frac{3}{6}\right)$

$= \frac{3}{18}$

Their share will be in the ratio

$= \frac{3}{9} : \frac{3}{6} : \frac{3}{18} = 2 : 3 : 1$

The share of boy = ₹1260 × $\frac{1}{6}$ = ₹ 210

42. (3) Sum = P = ₹12000 t = 2 years
r = 8%

$CI = P\left[1 + \frac{r}{200}\right]^{2t} - P$

$= 12000\left[1 + \frac{8}{2 \times 100}\right]^{2\times 2} - 12000$

= 1403830 – 12000 = ₹ 2038.30
≈ ₹ 2040

43. (1) The circumference of the circle = $2\pi r$ = 352

$\therefore$ $r = \frac{352 \times 7}{22 \times 2} = 56$ cm

$\therefore$ The area of the circle = πr^2

$= \frac{22}{7} \times 56 \times 56 = 9856$ cm^2

44. (2) Let the present age of Ragini be 2x + 1 and Yamini be 3x + 1.
According to the question

$\frac{2x+5+1}{3x+5+1} = \frac{8}{11}$ or, $\frac{2x+6}{3x+6} = \frac{8}{11}$

or, $2x = 66 - 48 = 18$

$\therefore$ $x = 9$

Hence the present age of Ragini $= 2x + 1 = 19$ years

45. (4) CP = ₹ 540 Profit = ₹ 210

$\therefore$ Marked price = 540 + 210 = ₹ 750

$\therefore$ Selling price = $750 \times \frac{90}{100}$ = ₹ 675

46. (3) Reqd difference

$= 60500 \times \frac{(14+9)}{100} - 18000 \times \frac{(18+15)}{100}$

$= 13915 - 5940 = 7975$

47. (1) $A = \frac{18000 \times 5}{60500 \times 12} \times 100 = 12.4\%$

$B = \frac{18000 \times 10}{60500 \times 12} \times 100 = 24.8\%$

$C = \frac{18000 \times 8}{60500 \times 18} \times 100 = 13.23\%$

$G = \frac{18000 \times 11}{60500 \times 12} \times 100 = 27.27\%$

$H = \frac{18000 \times 17}{60500 \times 7} \times 100 = 72.25\%$

Therefore State A has the minimum percentage of qualified .indicates with respect to appeared candidates

48. (3) Reqd % = $\frac{18000 \times 18\%}{60500 \times 30\%} \times 100 = 17.85\%$

49. (4) Reqd ratio = $\frac{60500 \times \frac{9}{100}}{18000 \times \frac{33}{100}} = 11 : 12$

50. (1) Reqd difference

$= \frac{18000 \times \left(\frac{16+15+18}{100}\right)}{3} - \frac{18000 \times \left(\frac{10+8+11}{100}\right)}{3} = 1200$

51. (5) Reqd difference
$= (1275 + 200) - (725 + 450)$
$= 1475 - 1175 = 300$

52. (1) Reqd ratio = $\frac{660+1640}{450+1550} = 23 : 20$

53. (3) Reqd % = $\frac{(2650-2190)}{2190} \times 100 = 21\%$

54. (2) Reqd number of ATMs

$= 1120 \times \frac{6}{5} + 270 \times \frac{11}{10} = 1344 + 297$

$= 1641$

55. (4) The total number of ATMs in July 2016 = 810 + 410 + 1275 + 200 + 2290 + 700 + 1120 + 270 + 1750 + 1620 + 2075 + 575 = 13095

56. (5) Average speed

$\frac{2 \times 189}{5hr15\min + 4hr12\min} = 40$ kmph

Speed from B to A

$= \frac{189}{4\frac{1}{5}hr} = 45$ kmph

$\therefore$ Reqd difference = 45 – 40 = 5 kmph

57. (1) Reqd probability = $\frac{{}^4C_1}{{}^{52}C_1} = \frac{4}{52} = 13$

58. (3) Any sum that is paid to the bank before the last instalment is deducted from principal and not from interest. Thus total interest = Interest on ₹ 9000 for 3 years + Interest on ₹ (9000 – 3000 =) ₹ 6000 for 2 years
Now, (7950 + 3000 – 9000)

$= \frac{9000 \times 3 \times r}{100} + \frac{6000 \times 2 \times R}{100}$

or, $1950 = 270r + 120r$

or, $r = \frac{1950}{390} = 5\%$

59. (1) Total volume of water displaced
$= (6 \times 360)$ m^3 = 2160 m^3

$\therefore$ Rise in water level = $\frac{2160}{150 \times 40} = 36$ cm

60. (4) Part filled without the leak in 1 hour = $\frac{1}{5}$

Part filled with the leak in 1 hour

$= \frac{1}{7.5} = \frac{2}{15}$

Work done by the leak in hour

$= \frac{1}{5} - \frac{2}{15} = \frac{1}{15}$

So the tank will be emptied by the leakage pipe in 15 hours.

61. (1) I. $x^2 + 5x + 6 = 0$
$\Rightarrow x^2 + 2x + 3x + 6 = 0$
$\Rightarrow x(x + 2) + 3(x + 2) = 0$
$\Rightarrow (x + 3)(x + 2) = 0$
$\Rightarrow x = -3$ or -2
II. $y^2 + 7y + 12 = 0$
$\Rightarrow y^2 + 4y + 3y + 12 = 0$
$\Rightarrow y(y + 4) + 3(y + 4) = 0$
$\Rightarrow (y + 3)(y + 4) = 0$
$\Rightarrow y = -3$ or -4
Clearly $x \geq y$

62. (4) I. $x^2 - 9x + 20 = 0$
$\Rightarrow x^2 - 5x - 4x + 20 = 0$
$\Rightarrow x(x - 5) - 4(x - 5) = 0$
$\Rightarrow (x - 4)(x - 5) = 0$
$\Rightarrow x = 4$ or 5
II. $y^2 - 13y + 42 = 0$
$\Rightarrow y^2 - 7y - 6y + 42 = 0$
$\Rightarrow y(y - 7) - 6(y - 7) = 0$
$\Rightarrow (y - 6)(y - 7) = 0$
$\Rightarrow y = 6$ or 7
Clearly $x < y$

63. (4) $2x + 3y = 14$ I
$4x + 2y = 16$ II
By equation (I) × 2 – equation II,
$4x + 6y - 4x - 2y = 28 - 16$
$\Rightarrow 4y = 12 \Rightarrow y = 3$
From equation I,
$2x + 3 \times 3 = 14$
$\Rightarrow 2x = 14 - 9 = 5 \Rightarrow x = \frac{5}{2}$
Clearly $x < y$

64. (5) I. $x = \sqrt{625} = 25$
II. $y^2 = 676$
$\therefore y = \pm 26$

65. (4) I. $x^2 + 4x + 4 = 0$
$(x + 2)^2 = 0 \Rightarrow x = -2$
II. $y^2 - 8y + 16 = 0$
$\Rightarrow (y - 4)^2 = 0$
$\Rightarrow y = 4$
Clearly $x < y$

66. (4) We know that
$a^3 + 3ab(a + b) + b^3 = (a + b)^3$
$$? = \left[\frac{\sqrt[3]{2197 + 3 \times 13 \times 14 \times 27 + 2744}}{196 + 364 + 169}\right]^{\frac{1}{3}}$$

67. (2) $$? = \frac{28}{9} \times \frac{17}{8} \times \frac{6}{153} + 1\frac{41}{45}$$
$$= \frac{7}{27} + \frac{86}{45} = \frac{35 + 258}{135} = \frac{293}{135} = 2\frac{23}{135}$$

68. (3) Solving by breaking method,
? = 20% of 3540 + 8% of 3540 + 20% of 4550 + 6% of 4550 + 20% of 5060 + 4% of 5060
= 708 + 283.2 + 910 + 273 + 1012 + 202.4
= 3388.6

69. (1) $$\frac{\frac{25}{3} \times \frac{27}{175}}{(2-1) + \left(\frac{5}{14} - \frac{1}{28}\right)} = \frac{\frac{9}{7}}{1 + \left(\frac{10-1}{28}\right)} = \frac{\frac{9}{7}}{\frac{37}{28}}$$
$$= \frac{9}{7} \times \frac{28}{37} = \frac{36}{37}$$

70. (5) $? = \sqrt{0.2304} \times 0.012 \times 16$
$= 0.48 \times 0.012 \times 16 = 0.09216$

ENGLISH LANGUAGE

96. (3) Replace'appreciating'with'appreciated'. (The verb coming after 'and' or 'but' takes the same form as its counterpart before 'and' or 'but' (admired)

97. (1) Replace 'had' with 'would have' as the sentence is past conditional (if)-

98. (1) Place'not only'after'the judges'. (Position of not only-but also)

99. (3) Replace 'indefinite' with 'indefinitely' as it is qualifying a verb.

VOCABULARIES

Words	Meaning in English	Meaning in Hindi
Speculation	The forming of a theory or conjecture without firm evidence	परिकल्पना
Extensive	Covering or affecting a large area.	व्यापक
Vivid	Clear images in the mind.	सुस्पष्ट
Obscure	Not discovered or known about; uncertain.	अस्पष्ट
Paraphernalia	Miscellaneous articles, especially the equipment activity. needed for a particular.	सामग्री
Misleading	Giving the wrong idea or impression.	भ्रामक
Province	A principal administrative division of certain countries or empires.	प्रांत
Elaborate	Involving many carefully arranged parts or details; detailed and complicated in design and planning.	विस्तृत
Prototypical	Connected with the first design of something from which other forms are copied or developed	मूल प्ररूप संबंधी
Candid	Truthful and straightforward; frank.	खरा
Abated	Become less intense	कम करना
Trivialised	Make (something) seem less important, significant, or complex than it really is.	महत्वहीन बनाना
Mitigate	Make less severe, serious, or painful	कम करना
Acquitted	Free (someone) from a criminal charge by a verdict of not guilty.	बरी करना

IBPS PO SPECIAL PHASE -I MOCK TEST - 236 (ANSWER KEY)

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

Note:- If you face any problem regarding result or marks scored, please contact 9313111777

Note:- Whatapp with Mock Test No. and Question No. at 7053606571 for any of te doubts. Join the group and you may also share your suggestions and experience of sunday Mock Test.

Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003