

IBPS PO SPECIAL PHASE-I MOCK TEST- 224 (SOLUTION)

REASONING

(1-5):

Floor	Subject	Person
7	Biology	B
6	Hindi	A
5	English	F
4	Chemistry	D
3	Physics	E
2	Geography	G
1	History	C

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

(6-10):

6. (4) Combining all statements
 $F < J \leq T \geq R$
 I. $F > T \rightarrow$ False
 II. $F = R \rightarrow$ False
 Hence, neither conclusion I nor II is true.
7. (1) Combining all statements
 $M > K = H \geq L$
 I. $M > L \rightarrow$ True
 II. $M < H \rightarrow$ False
 Hence, only conclusion I is true.
8. (5) Combining all statements
 $Q = H < L < F$
 I. $Q < F \rightarrow$ True
 II. $H < F \rightarrow$ True
 Hence, both conclusion I and II are true.
9. (2) Combining all statements
 $D > E \geq I \geq K$
 I. $D \geq I \rightarrow$ False
 II. $E \geq K \rightarrow$ True
 Hence, only conclusion II is true.
10. (5) Combining all statements
 $V < W \leq U < R$
 I. $V < R \rightarrow$ True
 II. $W < R \rightarrow$ True
 Hence, both conclusion I and II are true.

(11-15):

Family Tree

(Judge) L^+ \longleftrightarrow I^- (Housewife)

(Principal) E^+ \longleftrightarrow D^- (Doctor)

M F

Grandson is engineer.

Grand daughter is a student.

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

(16 - 20):

We coded first letter as symbol. The digit (number) is the code of the total number of the letters present in the word. And the last letter in the code is the last letter of the word. And &4E stands for 'make'. Here & is the code for the first letter 'm'. 4 denotes the number of letters in the word. And E represents its last letter.

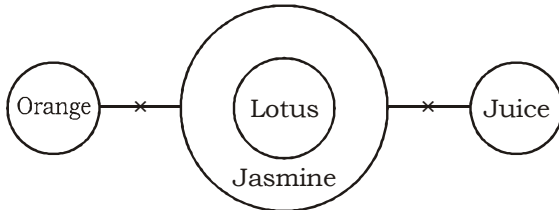
Make	it	popular	not	populist
↓	↓	↓	↓	↓
&4E	@2T	#7R	*3T	#8T
Indian	peoples	are	the	best
↓	↓	↓	↓	↓
@6n	#7S	%3E	#3E	S4T
Note	ban	implemented	peacefully	
↓	↓	↓	↓	
©4E	\$3N	@11D	#10Y	
Arising	of	payment	banks	
↓	↓	↓	↓	
%7G	¥2F	#7T	\$5S	

- 16.(2)
17.(3) Bangle \rightarrow \$*E
18.(1)
19.(1) The best books \rightarrow *3E, \$4T, \$5S
20.(4)

(21 - 26):

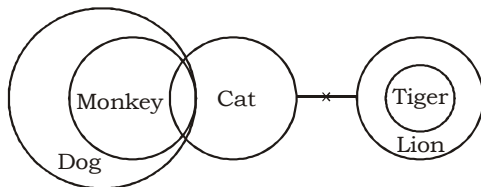
Person	Day	Time
D	Monday	9 am to 12 noon
E	Monday	3 pm to 6 pm
G	Sunday	3 pm to 6 pm
H	Tuesday	9 am to 12 noon
S	Tuesday	3 pm to 6 pm
P	Saturday	9 am to 12 noon
R	Saturday	3 pm to 6 pm
Q	Sunday	9 am to 12 noon

21. (3) 22. (1) 23. (2)
24. (1) 25. (2) 26. (3)
27. (5)



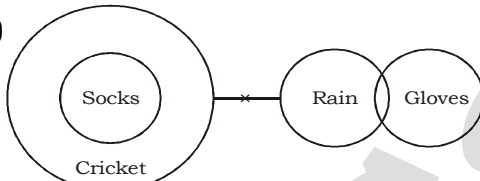
- I. True II. True
Both conclusion I and II are follow

28. (4)



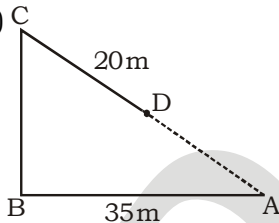
- I. False II. False
Neither Conclusion I nor II follows.

29. (5)



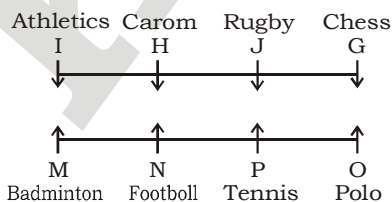
- I. True II. True
Both conclusion I and II are follow.

30. (3) C



$$\begin{aligned} \therefore AC &= \sqrt{AB^2 + BC^2} \\ &= \sqrt{35^2 + 12^2} = \sqrt{1225 + 144} \\ &= \sqrt{1369} = 37\text{m} \\ \therefore \text{Required distance} &= 37 - 20 = 17\text{m} \end{aligned}$$

(31-35) :



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

MATHS

36. (5) $\Rightarrow 95^? = 95^{3.7} \div 95^{0.9989}$
 $\Rightarrow 95^? = 95^{3.7-0.9989} = 95^{2.7011}$
 $\Rightarrow ? \approx 2.7$

37. (2) $? \approx \sqrt{10000} + \frac{3}{5} \times 1892$
 $= 100 + 1135.2$
 $= 1235.2 \approx 1230$

38. (3) $? \approx \frac{0.0004}{0.0001} \times 36 = 4 \times 36$
 $= 144 \approx 145$

39. (1) $? = 12345 \times \frac{137}{100}$
 $= 16912.65 \approx 17000$

40. (3) $? = 3739 + 164 \times 27$
 $= 3739 + 4428$
 $= 8167 \approx 8200$

41. (2) Required average
 $= \frac{280 + 354 + 433 + 343 + 535}{5}$
 $= \frac{1945}{5} = 389$

42. (4) Required difference = $(235 + 567) - 134$
 $= 802 - 134 = 668$

43. (5) Required % = $\frac{1102}{2142} \times 100 = 51.44\% \approx 51\%$

44. (4) Required number of animals
 $= 1480 \times \frac{65}{100} = 962$

45. (3) Required number of lions
 $= 1072 \times \frac{3}{4} = 804$

46. (2) Clearly,
 $9 \times 360 \text{ children} = 18 \times 72 \text{ men}$
 $= 12 \times 162 \text{ women}$
 $\Rightarrow 45 \text{ children} = 18 \text{ men} = 27 \text{ women}$
 $\Rightarrow 5 \text{ children} = 2 \text{ men} = 3 \text{ women}$

Now, 4 men + 12 women + 10 children
 $= 4 \text{ men} + 8 \text{ men} + 4 \text{ men} = 16 \text{ men}$
 $\therefore 18 \text{ men can complete the work in } 72 \text{ days.}$

$\therefore 16 \text{ men can complete the same work}$
 $= \frac{18 \times 72}{16} = 81 \text{ days}$

47. (3) Let the speed of boat in still water be x kmph and that of current be y kmph.

$$\therefore x + y = \frac{4.8}{\frac{8}{60}} = \frac{4.8 \times 60}{8}$$

$$\Rightarrow x + y = 36 \quad \dots(i)$$

$$\text{and, } x - y = \frac{4.8}{\frac{9}{60}} = \frac{4.8 \times 60}{9}$$

$$\Rightarrow x - y = 32 \quad \dots(ii)$$

By equation (i) - (ii),

$$x + y - x + y = 36 - 32 = 4$$

$$\Rightarrow 2y = 4 \Rightarrow y = \frac{4}{2} = 2 \text{ kmph}$$

48. (3) Let the amount be ₹ x
Investment is done as given below.

$$\text{Amount left} = x - \frac{40}{100}x = \frac{60x}{100}$$

$$\frac{40}{100}x \text{ at } 15\% \text{ p.a}$$

$$\frac{50}{100} \text{ of } \frac{60x}{100} = \frac{30x}{100} \text{ at } 10\% \text{ p.a}$$

Rest amount

$$= x - \frac{40x}{100} - \frac{30x}{100} = \frac{30x}{100} \text{ at } 18\% \text{ p.a}$$

Interest earned by each at end of 1 year

$$\text{By 1st} \Rightarrow \frac{15}{100} \times \frac{40x}{100} = \frac{60}{1000}x$$

$$\text{By 2nd} \Rightarrow \frac{10}{100} \times \frac{30x}{100} = \frac{30}{1000}x$$

$$\text{By 3rd} \Rightarrow \frac{18}{100} \times \frac{30x}{100} = \frac{54}{1000}x$$

$$\text{Total interest} = \frac{144}{1000}x$$

$$\therefore \text{Rate}\% = \frac{\frac{144x}{1000}}{x} \times 100 = 14.4\%$$

49. (1) C's present age = $85 - 7 = 78$ years
B's present age = $78 - 12 = 66$ years
 \therefore A's present age = $\frac{3}{11} \times 66 = 18$ years
 \therefore A's father's present age = $25 + 18 = 43$ years
50. (3) According to question,
CP of 20 articles = SP of x articles = 1 (let)
 \therefore CP of 1 articles = $\frac{1}{20}$

$$\text{SP of 1 articles} = \frac{1}{x}$$

$$\text{Profit per cent} = \frac{\frac{1}{x} - \frac{1}{20}}{\frac{1}{20}} = \frac{25}{100}$$

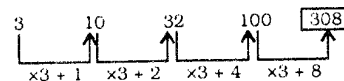
$$\Rightarrow \frac{20 - x}{x} = \frac{1}{4}$$

$$\Rightarrow 80 - 4x = x$$

$$\Rightarrow 5x = 80$$

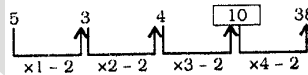
$$\Rightarrow x = 16$$

51. (3) The given series is based on the following pattern.



Hence, 308 will come in place of question mark.

52. (5) The given series is based on the following pattern.



Hence, 10 will come in place of question mark.

53. (2) The given series is based on the following pattern.

$$5 \times 1 + (1)^2 = 6$$

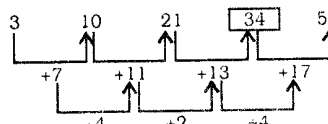
$$6 \times 2 + (2)^2 = 16$$

$$16 \times 3 + (3)^2 = 57$$

$$57 \times 4 + (4)^2 = 244$$

Hence, 16 will come in place of question mark.

54. (1) The given series is based on the following patterns.



Hence, 34 will come in place of question mark.

55. (4) The given series is based on the following pattern.

$$5 \times 2 + 1 = 11$$

$$11 \times 2 + 3 = 25$$

$$25 \times 2 + 5 = 55$$

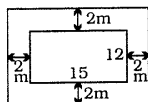
$$55 \times 2 + 7 = 117$$

56. (2) Required probability = $\frac{{}^5C_2}{{}^7C_2} = \frac{10}{21}$

57. (3) Let the number of children be x
 \therefore No. of sweets received by each child = $\frac{405}{x}$
 $\Rightarrow \frac{405}{x} = 20\% \text{ of } x$
 $\Rightarrow \frac{405}{x} = \frac{x}{5}$
 $\Rightarrow x^2 = 405 \times 5$
 $\Rightarrow x = \sqrt{405 \times 5}$
 $\Rightarrow x = \sqrt{81 \times 5 \times 5} = 9 \times 5 = 45$
 \therefore Required no. of sweets received by each child = $\frac{405}{45} = 9$

58. (5) Ratio of the earned profit = Ratio of the equivalent capitate of Alka and Priti
 $= 45000 \times 12 : 52000 \times 4$
 $= 45 \times 3 : 52$
 $= 135 : 52$
 Sum of ratios = $135 + 52 = 187$
 \therefore Priti's share
 $= ₹ \left(\frac{52}{187} \times 56165 \right) = ₹ 15618.07$

59. (1) Given that
 Area of outer rectangle = $19 \times 16 = 304 \text{ m}^2$



Area of inner rectangle = $15 \times 12 = 180 \text{ m}^2$
 \therefore Required area = $(304 - 180) = 124 \text{ m}^2$

60. (1) Total runs in the first 10 overs
 $= 10 \times 3.2 = 32$
 Runs rate in the remaining 40 overs
 $= \frac{282 - 32}{40} = \frac{250}{40} = 6.25$

61. (3) Production cost
 $= 24 \left[\frac{10}{100} \times \frac{3}{10} + \frac{17}{100} \times \frac{8}{17} \right]$
 $= 24[0.03 + 0.08] = 24 \times 0.11 = 2.64 \text{ crore}$

62. (2) $Q_{1_1} = 24 \times \frac{20}{100} \times \frac{2}{5} = 1.92 \text{ crore}$
 $R_{1_2} = 24 \times \frac{15}{100} \times \frac{7}{15} = 1.68 \text{ crore}$
 \therefore Different = $1.92 - 1.68 = 0.24 \text{ crore}$
 $= 24 \text{ lakh}$

63. (4) $\text{Profit}_{(1_1+1_2)} = 24 \times \frac{25}{100} \left[\frac{14}{25} \times \frac{20}{100} + \frac{11}{25} \times \frac{30}{100} \right]$
 $\text{Profit} = 24 \times \frac{25}{100} \times \frac{1}{250} [28 + 33]$
 $= 1.464 \text{ crore}$

64. (2) $\text{Profit}_Q = 24 \times \frac{20}{100} \times \frac{3}{5} \times \frac{25}{100}$
 $= 0.72 \text{ crore}$
 $\text{Profit}_S = 24 \times \frac{13}{100} \times \frac{8}{13} \times \frac{30}{100}$
 $= 0.576 \text{ crore}$
 $\therefore \text{Profit}_{(Q+S)} = 0.72 + 0.576 = 1.296 \text{ crore}$

65. (1) $\text{Profit}_P = 24 \times \frac{25}{100} \times \frac{14}{25} \times \frac{20}{100}$
 $= 0.672 \text{ crore}$
 $\text{Profit}_T = 24 \times \frac{10}{100} \times \frac{7}{10} \times \frac{25}{100}$
 $= 0.42 \text{ crore}$

$\therefore \text{Ratio} = \frac{0.672}{0.42} = \frac{8}{5} = 8 : 5$

66. (4) I. $x^2 + 5x + 6 = 0$
 $\Rightarrow x^2 + 2x + 3x + 6 = 0$
 $\Rightarrow x(x+2) + 3(x+2) = 0$
 $\Rightarrow (x+3)(x+2) = 0$
 $\therefore x = -3 \text{ or } -2$
 II. $y^2 + 3y + 2 = 0$
 $\Rightarrow y^2 + 2y + y + 2 = 0$
 $\Rightarrow y(y+2) + 1(y+2) = 0$
 $\Rightarrow (y+1)(y+2) = 0$
 $\therefore y = -1 \text{ or } -2$
 Clearly, $x \leq y$

67. (5) I. $x^2 - 10x + 24 = 0$
 $\Rightarrow x^2 - 6x - 4x + 24 = 0$
 $\Rightarrow x(x-6) - 4(x-6) = 0$
 $\Rightarrow (x-4)(x-6) = 0$
 $\therefore x = 4 \text{ or } 6$
 II. $y^2 - 9y + 20 = 0$
 $\Rightarrow y^2 - 5y - 4y + 20 = 0$
 $\Rightarrow y(y-5) - 4(y-5) = 0$
 $\Rightarrow (y-4)(y-5) = 0$
 $\therefore y = 4 \text{ or } 5$

68. (4) I. $x^2 = 961$
 $\Rightarrow x = \pm 31$
 II. $y = \sqrt{961} = 31$
 $\therefore x \leq y$

69. (5) I. $x^2 - x - 72 = 0$
 $\Rightarrow x^2 - 9x + 8x - 72 = 0$
 $\Rightarrow x(x - 9) + 8(x - 9) = 0$
 $\Rightarrow (x + 8)(x - 9) = 0$
 $\therefore x = -8 \text{ or } 9$
 II. $y^2 = 64$
 $\Rightarrow y = \pm 8$

70. (5) I. $x^2 = 463 + 321 = 784$
 $\therefore x = \pm 28$
 II. $y^2 = 308 + 421 = 729$
 $\therefore y = \pm 27$

ENGLISH

(96 - 100) :

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.	प्रान्त
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

KD
Campus

KD Campus

2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

IBPS PO SPECIAL PHASE-I MOCK TEST- 224 (ANSWER KEY)

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