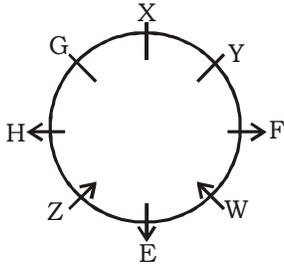


IBPS PO PHASE -I MOCK TEST - 200 (SOLUTION)

REASONING

(1-5):



- 1. (3) 2. (2) 3. (4)
- 4. (3) 5. (1) 6. (4)
- 7. (5) 8. (2) 9. (4)

11. (1) **Given statements**

- $G < R = A \leq S$ (i)
- $T > R$ (ii)

From (i),
I. $G < S \rightarrow$ True
Combining (i) and (ii) statements
 $T > R = A \leq S$
II. $S > T \rightarrow$ False
Only conclusion I is true.

12. (3) **Given statements**

- $P = U < M < K \leq I > N$ (i)
- $D \geq P$ (ii)
- $I > C$ (iii)

Combining (i) and (iii) statements
 $M < K \leq I > C$
I. $M < C \rightarrow$ False
From (i),
II. $N > U \rightarrow$ False
neither conclusion I or II is true.

13. (1) **Given statements**

- $M > A > B = Q < P < J \leq Y$ (i)
- $Z > A > X$ (ii)

From (i),
I. $B < Y \rightarrow$ True
Combining (i) and (ii) statements
 $X > A > B = Q < P < J \leq Y$
II. $X \geq Y \rightarrow$ False
Only conclusion I is true.

14. (4) Combining (i) and (ii) statements

- $Z > A > B = Q$
 - I. $Z = Q \rightarrow$ False
 - II. $Z > Q \rightarrow$ True
- Only conclusion II is true.

15. (5) **Given statements**

- $B \geq P > V < R = Q$ (i)
- $B < N \leq M$ (ii)
- $Q \leq F \leq E$ (iii)

Combining all statements
 $M \geq N > B \geq P > V < R = Q \leq F \leq E$
I. $M > V \rightarrow$ True
II. $E > V \rightarrow$ True
Both conclusion I and II is true.

(16-17):



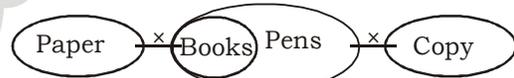
16. (5) **Conclusions :**

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

17. (2) **Conclusions :**

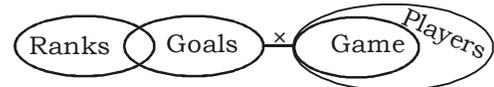
- I. Can't say II. True
- Only conclusion II follows.

18. (2) **Conclusions :**



- I. Can't say II. True
- Only conclusion II follows.

(19-20):



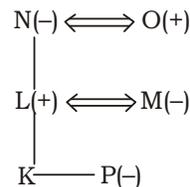
19. (5) **Conclusion :**

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

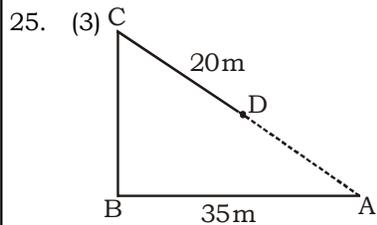
20. (2) **Conclusion :**

- I. Can't Say II. True
- Only conclusion II follows.

(21-24):

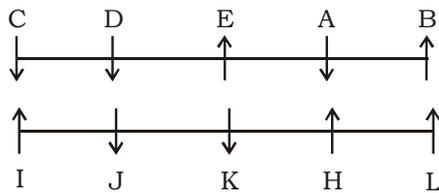


- 21. (5) 22. (2) 23. (3)
- 24. (4)



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

(26-30) :



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

(31-35) :

Market : Zo
going : Pit
is : ch
all : ha
are : sit
far : jo
too : Fa
not : na
for : sa
he : la

31. (2) 32. (2) 33. (1)
34. (3) 35. (1)

MATHS

- 36.(3) $\approx 500 + 2000 \div 40 \times 50$
 $\approx 500 + \frac{2000}{40} \times 50 \approx 500 + 2500$
 ≈ 3000
37.(4) $? \approx [8^2 - 13^2 + 4^3]^2$
 $\approx [64 - 169 + 64]^2$
 $\approx (-41)^2 \approx 1681$
 \therefore Required answer = 1660
38.(5) $? \approx \frac{600}{50} \times \frac{400}{80} \div \frac{30}{200} \approx \frac{600}{50} \times \frac{400}{80} \times \frac{200}{30} \approx 400$
 \therefore Required answer = 420

- 39.(2) $441 - 233 + 1650 = ? + 1226$
 $\Rightarrow 1858 \approx ? + 1226$
 $\Rightarrow ? = 1858 - 1226 \approx 632$
 \therefore Required answer = 630
40.(2) $? = \left(\frac{1000 \times 21.5}{100}\right)^{\frac{1}{3}} + \left(\frac{600 \times 43}{100}\right)^{\frac{1}{2}}$
 $\approx (215)^{\frac{1}{3}} + (258)^{\frac{1}{2}} \approx 6 + 16 \approx 22$
41. (4) The pattern of the number series as follows:
 $7 \times 2 - 2 = 12$
 $12 \times 4 - (2 + 6) = 48 - 8 = 40$
 $40 \times 6 - (8 + 10) = 240 - 18 = 222$
 $222 \times 8 - (18 + 14) = 1736 - 32 = 1744 \neq 1742$
 $1744 \times 10 - (32 + 18) = 17440 - 50 = 17390$
42. (3) The pattern of the number series as follows:
 $6 \times 7 + 7^2 = 42 + 49 = 91$
 $91 \times 6 + 6^2 = 546 + 36 = 582 \neq 584$
 $582 \times 5 + 5^2 = 2910 + 25 = 2935$
 $2935 \times 4 + 4^2 = 11740 + 16 = 11756$
 $11756 \times 3 + 3^2 = 35268 + 9 = 35277$
43. (2) The series is $\times 11, \times 7, \times 5, \times 3, \times 1$
the wrong no. is 34650; $17325 \times 3 = 51975$
44. (1) The series is $+2^2, +3^2, +4^2, +5^2, 6^2, +7^2$
The wrong no. is 56; $32 + 5^2 = 32 + 25 = 57$
45. (3) The series is $\times 1 + 1, \times 2 + 2, \times 3 + 3, \times 4 + 4, \times 5 + 5, \times 6 + 6$.
The wrong no. is 38; $12 \times 3 + 3 = 36 + 3 = 39$
46. (3) According to question, work done by
Rahim in 4 days = $\frac{4}{8} = \frac{1}{2}$
Net work done by (Rahim + Karim) in 1 day = $\left(\frac{1}{8} - \frac{1}{3}\right) = \frac{-5}{24}$
Work done by (Rahim + Karim) in 2 days = $\frac{-5}{24} \times 2 = \frac{-5}{12}$
 \therefore Work done in 6 days = $\frac{1}{2} + \left(-\frac{5}{12}\right)$
 $= \frac{1}{12}$

∴ Remaining $\frac{11}{12}$ of the wall is built by

$$\text{Rahim in } \frac{8 \times 11}{12} = \frac{88}{12} = \frac{22}{3} = 7\frac{1}{3} \text{ days}$$

47. (1) Let investment time of B was for x months Ratio of their investment = Ratio of profit distribution
 $5 \times 8 : 6 \times x = 5 : 9$

$$\therefore x = \frac{40 \times 9}{6 \times 5} = 12 \text{ months} = 1 \text{ year}$$

48. (4) After selling at ₹ 15/ kg, Sunil earns a profit of 66.66%
 Hence, cost price of sweets is ₹ 9/kg.
 Now, ratio of flour and sugar is 5 : 3.
 Hence,

1 kg of sweet is made up of $\frac{5}{8}$ kg of flour

and $\frac{3}{8}$ kg of sugar.

Let price of 1 kg of flour = $3k$

Hence, profit of 1 kg of sugar = $7k$

Hence price of 1 kg of sweets is

$$= \left\{ \left[\left(\frac{3}{8} \right) \times 7k \right] + \left[\left(\frac{5}{8} \right) \times 3k \right] \right\} = 9$$

Hence, $k = 2$

Hence, cost price of sugar = $7k = 7 \times 2$
 = ₹14/kg

49. (2) Let the length of train be L meters
 its speed be S m/s

$$\therefore \text{time taken to cross a pole} = \frac{L}{S} = 10 \text{ sec}$$

∴ time taken to cross a 200 m long

$$\text{platform} = \left(\frac{L + 200}{S} \right)$$

ATQ,

$$\Rightarrow 20 = \frac{L}{S} + \frac{200}{S}$$

$$\Rightarrow 20 = 10 + \frac{200}{S}$$

$$\Rightarrow \frac{200}{S} = 10$$

∴ $S = 20$ m/s

Now length of train $L = 20 \times 10$
 = 200 m

50. (4) Let C.P = ₹ 100

∴ MP = ₹ 150

ATQ,

$$\text{SP} = 75 + 25 \times \frac{75}{100} + 50 \times \frac{80}{100}$$

$$= 75 + 18.75 + 40 = ₹ 133.75$$

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

$$= 33.75\%$$

51. (4) Required average

$$= \frac{8500}{100} \times \frac{1}{3} \times (24 + 20 = 15) \approx 1671$$

52. (1) No. of white Intex

$$= 8500 \times \frac{9}{100} \times \frac{40}{100} = 306$$

53. (5) Required % = $\left(\frac{19}{13+9} \times 100 \right) \%$

$$= \left(\frac{19}{22} \times 100 \right) \% \approx 86\%$$

55. (4) Required % = $\left[\frac{(20-15)}{15} \times 100 \right] \% \approx 33\%$

56. (2) No. of Computer sold in H = $36000 \times \frac{40}{100}$

$$= 14400$$

∴ Required ratio = 5000 : 14400

$$= 25 : 72$$

57. (1) No. of Computer sold in

$$\mathbf{A} = 5000 \times \frac{35}{100} = 1750$$

$$\mathbf{B} = 15000 \times \frac{40}{100} = 6000$$

$$\mathbf{C} = 32500 \times \frac{35}{100} = 11375$$

$$\mathbf{D} = 24000 \times \frac{35}{100} = 8400$$

Required answer is A

58. (5) No. of Computer sold in F = $40000 \times \frac{25}{100}$

$$= 10000$$

and the no. of Computer sold in G

$$= 24000 \times \frac{35}{100} = 8400$$

$$\therefore \text{Required \%} = \left[\frac{(10000 - 8400)}{10000} \times 100 \right] \%$$

$$= 16\%$$

59. (2) Required average

$$= \frac{24000 \times \frac{35}{100} + 36000 \times \frac{40}{100}}{2} = 11400$$

60. (1) No. of Computer sold in C

$$= 25000 \times \frac{30}{100} = 7500$$

$$\text{Required \%} = \left(\frac{7500}{15000} \times 100 \right) \% = 50\%$$

61. (4) I. $x^2 - 19x + 84 = 0$

$$x^2 - 7x - 12x + 84 = 0$$

$$(x - 7)(x - 12) = 0$$

$$\therefore x = 7, 12$$

II. $y^2 - 25y + 156 = 0$

$$y^2 - 13y - 12y + 156 = 0$$

$$(y - 13)(y - 12) = 0$$

$$\therefore x \leq y$$

62. (2) I. $x^3 - 468 = 1729$

$$x^3 = 2197$$

$$\therefore x = 13$$

II. $y^2 - 1733 + 1564$

$$y^2 = 169$$

$$y = \pm 13$$

$$\therefore x \geq y$$

63. (5) I. $\frac{9}{\sqrt{x}} + \frac{19}{\sqrt{x}} = \sqrt{x}$

$$9 + 19 = \sqrt{x} \times \sqrt{x}$$

$$\therefore x = 28$$

II. $y^2 - \frac{(2 \times 14)^{11/2}}{\sqrt{y}} = 0$

$$y^5 \sqrt{y} - (2 \times 14)^{11/2} = 0$$

$$y^{11/2} = (2 \times 14)^{11/2}$$

$$\therefore y = 2 \times 14 = 28$$

$$\therefore x = y$$

64. (1) I. $\sqrt{784}x + 1234 = 1486$

$$\sqrt{784}x = 252$$

$$28x = 252 \quad \therefore x = 9$$

II. $\sqrt{1089}y + 2081 = 2345$

$$33y = 264 \quad \therefore y = 8$$

$$\therefore x > y$$

65. (1) I. $\frac{12}{\sqrt{x}} - \frac{23}{\sqrt{x}} = 5\sqrt{x}$

$$12 - 23 = 5\sqrt{x} \times \sqrt{x}$$

$$\therefore x = \frac{-11}{5} = -2.2$$

II. $\frac{\sqrt{y}}{12} - \frac{5\sqrt{y}}{12} = \frac{1}{\sqrt{y}}$

$$\sqrt{y} \left(\frac{1}{12} - \frac{5}{12} \right) = \frac{1}{\sqrt{y}}$$

$$y \left(\frac{-4}{12} \right) = 1$$

$$\therefore y = \frac{-12}{4} = -3$$

66. (1) Given that $a = 20$ km/h, $b = 4$ km/h

$$t_1 = 30 \text{ min}, t_2 = 10 \text{ min}$$

According to the formula

$$\text{Required Distance} = (t_1 - t_2) (a + b) \frac{20}{4}$$

$$= \frac{(30 - 10)}{60} (20 + 4) \frac{20}{4}$$

$$= \frac{20}{60} \times 24 \times \frac{20}{4}$$

$$= 40 \text{ km}$$

67. (4) Total failed candidates

$$= 25x + 40x - 19x = 46x$$

$$\text{Passed in both subjects} = 100x - 46x$$

$$= 54x$$

$$\text{Total no. of appeared candidates} = 100x$$

$$\therefore 54x = 972$$

$$\therefore 100x = \frac{972}{54x} \times 100x = 1800$$

68. (5) Required ratio $= 4v_1d_1 = 7v_2d_2 = \frac{7v_1d_1}{d_2}$:

$$7v_2$$

where d is the density and v is the volume of liquids.

$$\text{Given, } 117d_1 = 151d_2$$

$$\therefore \frac{d_1}{d_2} = \frac{151}{117}$$

Now, with $7v_2$ of second liquid, $4v_1$ of first

$$\text{liquid is used in place of } 4v_1 \times \frac{151}{117}$$

$$\therefore \% \text{ error} = \left(\frac{34}{117} \times \frac{117}{151} \times 100 \right) \% \\ = 22.50\% \approx 22\%$$

69. (4) Cost price of 30 kg of Rice
= 30 × 45 = ₹ 1350
Total SP for an overall profit of
25% = $\frac{1350 \times 125}{100} = ₹ 1687.5$
SP of $\left(\frac{30 \times 40}{100} \right) = 12$ kg of Rice
= 12 × 50 = ₹ 600
Expected SP of 18kg of remaining wheat
= 1687.5 – 600 = ₹ 1087.5
Required selling price per kg
= $\frac{1087.5}{18} = ₹ 60.41 \approx ₹ 60$

70. (5) In first 3 days, 37% of the work is completed. So in last 7 days, 63% of the work will be done by A and B only.

$$\text{Which mean } 7 \left(\frac{1}{A} + \frac{1}{B} \right) = \frac{63}{100}$$

$$\frac{1}{A} + \frac{1}{B} = \frac{9}{100}$$

It is given that 5A = 4B

$$\frac{5}{4B} + \frac{1}{B} = \frac{9}{100}$$

B = 25 days

A = 20 days

C = 100 days

Time taken by fastest worker = 20 days

Time taken by second fastest worker = 25 days

$$\therefore \text{Required}\% = \left[\frac{25 - 20}{25} \times 100 \right] \% = 20\%$$

ENGLISH LANGUAGE

(86-90) :

86. (3) 'will be going' replace with 'went' because sentence is in past tense.
87. (2) 'as like' replace with 'like'.
88. (5) 'No error'.
89. (4) 'to be performed' (passive) replace 'to perform' (Active)
90. (1) 'to make' replace with 'make'.

VOCABULARIES

Words	Meaning in English	Meaning in Hindi
Ailment	an illness, Typically a minor one, Disease	रोग
Apathetic	having no interest	उदासीन, रूचि का अभाव
Carry out	to complete or fulfill, to execute	पूरा करना
Conspicuous	easily seen, Remarkable	स्पष्ट
Deprived (of)	without the basic necessities	सुविधाहीन
Disposal	act of getting rid of something	ठिकाने लगाने या छुटकारा पाने की प्रक्रिया
Enlist	to obtain something as help or support	समर्थन पाना
Envigour	to make something lively or energetic	ऊर्जावान बना देना
Hostile	aggressive, full of animosity	शत्रुतापूर्ण
Hygienic	clean and disease free	स्वास्थ्यकर
Indigenous	native or belonging to own country	स्वदेशी
Inexplicable	that cannot be explained	अवर्णनीय
Muster	to succeed in creating in self or in others (courage, will)	जुटाना (कोई भाव)
Sanitation	system intended to protect health	साफ-सफाई
Trivial	Unimportant (matter, issue)	महत्वहीन
Entrench	To make something establish strongly	मजबूती से स्थापित होना

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Campus

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

IBPS PO PHASE -I MOCK TEST - 200 (ANSWER KEY)

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

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