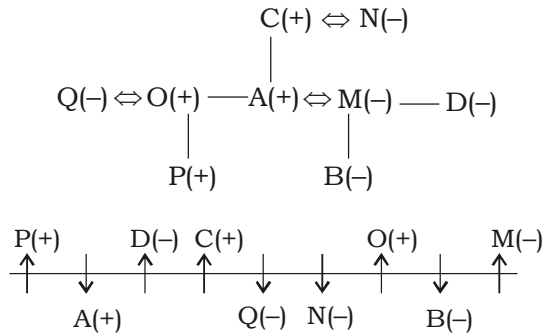


IBPS PO SPECIAL (PHASE - I) MOCK TEST - 209 (SOLUTION)

REASONING

Family Tree



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

(6-10):

Students	Sports	Subjects
A	Cricket	Biology
B	Badminton	History
C	Hockey	Philosophy
D	Basketball	Geography
E	Football	English
F	Table Tennis	Physics
G	Volleyball	Chemistry

6. (3) 7. (1) 8. (5)
9. (4) 10. (4)

(11-14):

% → > ® → ≥
\$ → = © → <
@ → ≤

11. (3) $R = P \leq E \leq F \leq O$
I. $O = P \rightarrow$ Doubt
II. $E \geq R \rightarrow$ True
III. $P < O \rightarrow$ Doubt
Hence, either I or III and II are true.
12. (1) $E > D = A > B \leq C$
I. $E > B \rightarrow$ True
II. $C = A \rightarrow$ False
III. $D \leq E \rightarrow$ False
Hence, only I is true.
13. (5) $I \geq H = T > S \leq R$
I. $I > T \rightarrow$ Doubt
II. $I = T \rightarrow$ Doubt
III. $S > H \rightarrow$ False
Hence, either I or II is true.

14. (1) $S \leq T < N = Q > O$

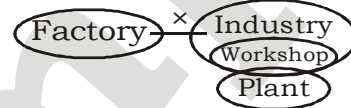
I. $S = N \rightarrow$ Doubt
II. $N \geq O \rightarrow$ False
III. $N > O \rightarrow$ False
Hence, none is true

15. (4)



I. Can't say II. Can't say
Hence, neither conclusion I nor II is true.

16. (4)



I. True II. True
Hence, both conclusion I and II are true.

17. (5)



I. False II. True
Hence, only conclusion II is true.

(18-19):



18. (5) I. True
II. Can't say
Hence, only Conclusion I is true.

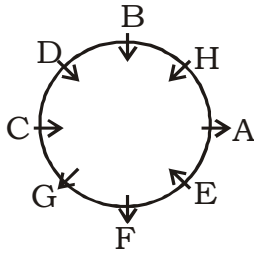
19. (2) I. True
II. False
Hence, only Conclusion I is true.

(20-25):

Friend	Game	Day
I	Table Tennis	Tuesday
K	Hockey	Friday
M	Cricket	Wednesday
H	Lawn Tennis	Wednesday
J	Kabaddi	Monday
N	Chess	Thursday
L	Badminton	Tuesday

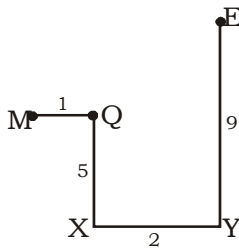
20. (1) 21. (5) 22. (4)
23. (3) 24. (1) 25. (2)

(26 - 30) :

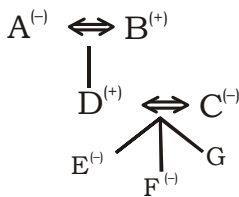


26. (2) 27. (4) 28. (1)
29. (3) 30. (4)

(31-32) :



31. (5) 3 km
32. (4)
33. (5) From both I and II.
Z > Y > V = W > X
Hence Z scores the highest runs.
34. (5) From both I and II



Hence, A is grandmother of E

35. (5) From both I and II.
T V S X P _ Q
Q _ P X S V T
Hence X is the middle of the row.

MATHS

36. (5) I. $x^2 + 8x + 15 = 0$
 $\Rightarrow (x + 5)(x + 3) = 0$
 $\Rightarrow x = -5, -3$
II. $y^2 + 6y + 8 = 0$
 $\Rightarrow (y + 4)(y + 2) = 0$
 $\Rightarrow y = -4, -2$
No relation
37. (5) I. $2x^2 + 6 = 7x$
 $\Rightarrow 2x^2 - 3x - 4x + 6$
 $\Rightarrow x(2x - 3) - 2(2x - 3)$

$$\Rightarrow (x - 2)(2x - 3)$$

$$\Rightarrow x = +\frac{3}{2}, +2$$

$$\text{II. } y^2 = 4$$

$$\Rightarrow y = \pm 2$$

No relation because of one value of $x = +1.5$, greater than $y = -2$ as well as less than $y + 2$.

38. (5) I. $p^2 + 16p + 55 = 0$
 $\Rightarrow p^2 + 11p + 5p + 55 = 0$
 $\Rightarrow p = (-5, -11)$

$$\text{II. } q^2 + 16q + 63 = 0$$

$$\Rightarrow q^2 + 9q + 7q + 63 = 0$$

$$\Rightarrow q = (-7, -9)$$

So the relationship cannot be established.

39. (4) I. $x = \frac{\sqrt{256} + \sqrt{81}}{\sqrt{625}}$

$$\Rightarrow x = \frac{(16 + 9)}{25}$$

$$\Rightarrow x = 1$$

$$\text{II. } y^2 - 4y + 3 = 0$$

$$\Rightarrow y^2 - 3y - y + 3 = 0$$

$$\Rightarrow y(y - 3) - 1(y - 3) = 0$$

$$\Rightarrow y = (1, 3)$$

$$\Rightarrow \text{So } X \leq Y$$

40. (5) I. $8x^2 + 20x + 8 = 0$
 $\Rightarrow 8x^2 + 16x + 4x + 8 = 0$
 $\Rightarrow 8x(x + 2) + 4(x + 2) = 0$
 $\Rightarrow x = (-2, -1/2)$

$$\text{II. } 5y^2 + 11y + 6 = 0$$

$$\Rightarrow 5y^2 + 5y + 6y + 6 = 0$$

$$\Rightarrow y = (-1, -6/5)$$

41. (1) Zinc : Copper = 5 : 3

$$\text{Let } 5x : 3x$$

$$\text{Given, } 5x + 3x = 800\text{g}$$

$$8x = 800\text{ g}$$

$$x = 100\text{ g}$$

$$\therefore \text{Zinc : Copper} = 500\text{g} : 300\text{g}$$

Let a gram of copper is added

$$\frac{500}{300 + a} = \frac{5}{4}$$

$$2000 = 1500 + 5a$$

$$500 = 5a$$

$$a = 100\text{g}$$

42. (2) Let the first number be X and the second number be Y

$$\Rightarrow \frac{20}{100} \times \frac{45}{100} \times \frac{30}{100} \times X = \frac{50}{100} \times \frac{25}{100} \times \frac{40}{100} \times Y$$

$$\Rightarrow 20 \times 45 \times 30 \times X = 50 \times 25 \times 40 \times Y$$

$$\Rightarrow \frac{X}{Y} = \frac{50 \times 25 \times 40}{20 \times 45 \times 30} = \frac{50}{27}$$

$$\Rightarrow \text{Ratio} = 50:27$$

43. (3) Let the incomes of P and Q be 5x and 4x respectively. Now

$$\Rightarrow \frac{(5x - 3600)}{(4x - 3600)} = \frac{3}{2}$$

$$\Rightarrow x = 1800$$

$$\Rightarrow \text{Income of A} = 5x = 9000$$

44. (2) Let their daily wages are 7x and 5x. Now
 $7x - 5x = 120$

$$2x = 120$$

$$x = 60$$

So daily wages are 420 and 300

45. (2)

46. (3) $\frac{\sqrt{195} + \sqrt{325}}{\sqrt{785}} = \sqrt{?^2} + 1$

$$\Rightarrow \frac{\sqrt{196} + \sqrt{324}}{\sqrt{784}} = \sqrt{?^2} + 1$$

$$\Rightarrow \frac{14 + 18}{28} = \sqrt{?^2} + 1$$

$$\Rightarrow \frac{32}{28} = \sqrt{?^2} + 1$$

$$\Rightarrow \sqrt{?^2} = \frac{8}{7} - 1$$

$$\Rightarrow \sqrt{?^2} = \frac{1}{7}$$

$$\Rightarrow ? = \frac{1}{7^2}$$

$$\Rightarrow ? = 7^{-2}$$

47. (2) $\sqrt{(725.0089 + 140.0063 + 44.9921)} = ?$

$$\Rightarrow \sqrt{725 + 140 + 45} = ?$$

$$\Rightarrow \sqrt{910} = ?$$

$$\Rightarrow ? \approx 30$$

48. (1) $17.1\% \text{ of } 725 + 12.8\% \text{ of } 643 = ?$

$$\Rightarrow \approx \frac{17}{100} \times 725 + \frac{13}{100} \times 643$$

$$\Rightarrow \approx 206.84 \approx 207$$

49. (3) $\sqrt{840} \div 19.002 \times 56.997 - 12.005 = ?$

$$\Rightarrow ? = \frac{29}{19} \times 57 - 12$$

$$\Rightarrow ? = 29 \times 3 - 12$$

$$\Rightarrow ? = 87 - 12$$

$$\Rightarrow ? = 75$$

50. (4) $\sqrt[4]{81.02} \times 63.99 + \sqrt{24.99} = ?^2$

$$\Rightarrow 3 \times 64 + 5 = ?^2$$

$$\Rightarrow 192 + 5 = ?^2$$

$$\Rightarrow 197 = ?^2$$

$$\Rightarrow 14 = ?$$

51. (3) Total marks = $[1/100] \times [70 \times 150 + 50 \times 120 + 56 \times 50 + 58 \times 50 + 57 \times 100 + 54.5 \times 200] = 388$

52. (4) Average Marks = $\frac{1}{5} \times (52 + 56 + 70 + 64 + 48) / 100 \times 50 = 29$

53. (2) C in subject S = 54% of 50 = 27
D in subject Q = 55% of 120 = 66

$$\text{Required percentage} = \frac{27}{66} \times 100$$

$$= 41\%$$

54. (5) Student A in subject R + C in subject U = 26 + 114 = 140

$$\text{Student B in subject R + D in subject P} = 28 + 72 = 100$$

$$\text{Difference} = 140 - 100 = 40$$

55. (4) Total marks secured by E = 84 + 48 + 24 + 23 + 53 + 105 = 337

$$\text{Maximum marks} = 150 + 120 + 50 + 50 + 100 + 200 = 670$$

$$\text{Aggregate percentage} = \left[\frac{337}{670} \right] \times 100$$

$$= 50.3\%$$

56. (2) Three years ago, the average age of a family of 4 members was 14 years.

Therefore, total age = 56

$$\text{Today's total age of the family members} = 56 + 4 \times 3 = 56 + 12 = 68$$

Given, a girl having been born, the average of the family is the same today

Therefore,

$$\frac{68 + x}{5} = 14$$

$$x = 2$$

So, the age of the girl = 2 years

57. (3) We assume that after the period of n month Uttam joined the business.

$$\text{Investment of Vikrant} = (21000 \times 12) \\ = \text{Rs. } 252000$$

$$\text{Investment of Uttam} = [(36000 \times (12 - n))] \\ = \text{Rs. } (432000 - 36000n)$$

$$252000 = 432000 - 36000n$$

$$\Rightarrow n = 5$$

So, Uttam joined after 5 months.

58. (3) $SP = \left[1 - 16 \left(\frac{2}{3} \right) \right] \% \text{ of MP} = \frac{5}{6} \text{ of MP}$

$$MP = 1020 \times \frac{6}{5} = 1224 \text{ Rs}$$

$$\text{Now discount} = 1224 - 176 = \text{Rs. } 1048$$

59. (1) $33\frac{1}{3}\% \text{ less speed} = \frac{1}{3} \text{ less}$

$$= \frac{84}{3} = 28 \text{ km/hr less}$$

$$\text{Returning speed} = 84 - 28 = 56 \text{ km/hr}$$

$$\text{Now Average Speed} = \frac{2xy}{(x + y)} \text{ km/hr}$$

$$= \frac{2 \times 84 \times 56}{(84 + 56)}$$

$$= \frac{(2 \times 84 \times 56)}{140}$$

$$= 67.2 \text{ km/hr}$$

60. (3) Total units of work = 60

$$A + B \text{ one day work} = 3 \text{ units}$$

$$A + B + C \text{ one day work} = 4 \text{ units}$$

$$\text{Unit of work done by C} = 4 - 3 = 1 \text{ unit}$$

$$\text{Unit of work done by B} = 1 \times 2 = 2 \text{ units}$$

$$\text{Unit of work done by A} = 3 - 2 = 1 \text{ units}$$

$$\text{Total unit of work in one day by A and C} \\ = 2$$

$$\text{Time required by A and C} = \frac{60}{2} = 30 \text{ days}$$

61. (4) Required percentage rise in 2004

$$= \frac{30 - 20}{20} \times 100 = 50\% \text{ and in 2006}$$

$$= \frac{45 - 35}{35} \times 100 = \frac{200}{7}\%$$

\therefore Percentage rise is highest in year 2004.

62. (5) Required average = $\frac{1}{6} \times (20 + 30 + 35 +$

$$45 + 45 + 50) = \frac{225}{6} = 37.5 \text{ millions}$$

63. (2) Required percentage rise

$$= \frac{40 - 30}{30} \times 100$$

$$= 33\frac{1}{3}\%$$

64. (1) Required ratio

$$= \frac{(15 + 25 + 30 + 30 + 40 + 45)}{(20 + 30 + 35 + 45 + 45 + 50)}$$

$$= \frac{185}{225} = \frac{37}{45}$$

65. (3) Required percent = $\frac{30}{185} \times 100$

$$= 16\frac{8}{37}\%$$

66. (3) The pattern is

$$41 \times 2^2 = 164$$

$$164 \times 4^2 = 2624$$

$$2624 \times 6^2 = \mathbf{94464}$$

$$94464 \times 8^2 = 6045696$$

67. (5) $14 \times 3 + 1.5 = 43.5$

$$43.5 \times 6 + 3 = 264$$

$$264 \times 12 + 6 = \mathbf{3174}$$

$$3174 \times 24 + 12 = 76188$$

68. (4) $274 + 3^3 = 301$

$$301 + 5^3 = 426$$

$$426 + 7^3 = 769$$

$$769 + 9^3 = 1498$$

$$1498 + 11^3 = \mathbf{2829}$$

69. (1) $6 \times 5 - 4 = 26$

$$26 \times 5 + 4 = 134$$

$$134 \times 5 - 4 = 666$$

$$666 \times 5 + 4 = 3334$$

$$3334 \times 5 - 4 = 16666$$

$$16666 \times 5 + 4 = \mathbf{83334}$$

70. (4) $949 \times 0.2 = 189.8$

$$189.8 \times 0.3 = \mathbf{56.94}$$

$$56.94 \times 0.4 = 22.776$$

$$22.776 \times 0.5 = 11.388$$

$$11.388 \times 0.6 = 6.8328$$

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ENGLISH LANGUAGE

- | | |
|---|--|
| <p>86. Replace 'would write' with 'writes' because the sentence indicates a general condition of present.</p> <p>87. Replace 'changed' with 'change'. The sentence indicates a habitual action.</p> | <p>88. Replace 'his' with 'him'. After preposition the pronoun is in objective case.</p> <p>89. Replace 'has' with 'had' as the sentence is in past.</p> |
|---|--|

VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Jeopardy	danger of loss, harm, or failure	खतरा
Aggravated	an aggravated crime involves further unnecessary violence or unpleasant behaviour	भड़काना
Agonies	extreme physical or mental suffering	शारीरिक या मानसिक कष्ट
Deprivation	the damaging lack of material benefits considered to be basic necessities in a society	हानि
Enormously	to a very great degree or extent; considerably	अत्यंत, विशालता
Devastated	destroy or ruin to something	तहस-नहस करना
Hampered	hinder or impede the movement or progress of	बाधा डालना
Expertise	expert skill or knowledge in a particular field	विशेषज्ञता
Exorbitant	unreasonably high	अत्याधिक
Nullified	make legally null and void; invalidate	रद्द करना
Detrimental	tending to cause harm	हानिकारक
Astounding	surprisingly impressive or notable	चकित करने वाला
Prophecies	a prediction	भविष्यवाणी

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IBPS PO SPECIAL (PHASE - I) MOCK TEST - 209 (ANSWER KEY)

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

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