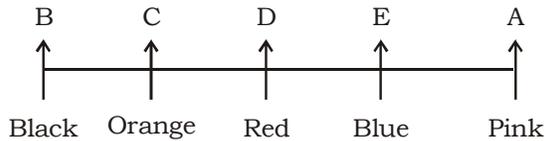


**IBPS PO PHASE -I MOCK TEST - 199 (SOLUTION)**

**REASONING**

(1-5):



1. (2)      2. (3)
3. (5)      4. (5)      5. (5)
6. (1)  $C < E \leq P \leq S$  and  $C < E \leq P > Q$   
 I.  $S > C \rightarrow$  True  
 II.  $E < Q \rightarrow$  False  
 Only conclusion I is true.
7. (2)  $S \geq R > G = N < L \leq Q$   
 I.  $R > L \rightarrow$  False  
 II.  $Q > N \rightarrow$  True  
 Only conclusion II is true.
8. (1)  $S \geq U > V = T$   
 I.  $S > T \rightarrow$  True  
 II.  $N > U \rightarrow$  False  
 Only conclusion I is true.
9. (4)  $D = H \geq P \geq Z > N$   
 I.  $D \geq N \rightarrow$  False  
 II.  $Z < D \rightarrow$  False  
 Neither conclusion I nor II is true.
10. (4)  $F \geq J \leq B = S < N$   
 I.  $S > N \rightarrow$  False  
 II.  $F \leq N \rightarrow$  False  
 Neither conclusion I nor II is true.

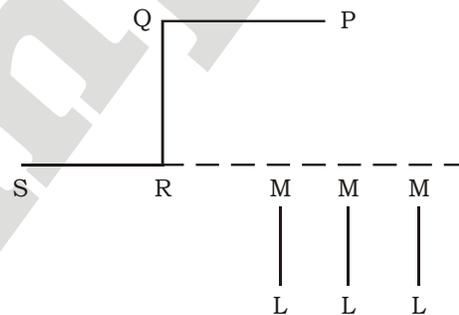
(11-15):

Month/Date	4	21	28
February	C	I	E
July	F	B	H
September	A	G	D

11. (4)      12. (4)      13. (3)
14. (5)      15. (3)
16. (4)      1st letter - A, 5th letter - R, 6th letter - P, 7th letter - T  
 Words that can be made - PART and TRAP

17. (2) From II,  
 M is elder to O but younger to N and P. R is elder to N.  
 $R > N > P > M > O$   
 Or  
 $P > R > N > M > O$   
 O is not the youngest person. So Q must be youngest person.  
 So only statement II is sufficient to answer the question.  
 Hence, option B.

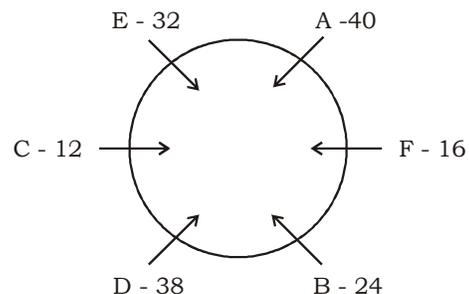
18. (4) From I and II,



Point M is east of point R so point M can be south-west, south or south-east of point P. So the position of point M is not confirmed. As the distance is not mentioned, we cannot be certain where to place M. So, Statement I and II together is not sufficient to answer the question. Hence, option D.

19. (3) If we observe the pattern:  
 $Z - 4 = V, V - 4 = R$   
 $M - 4 = I, I - 4 = E$   
 $R - 4 = N, N - 4 = J$   
 $T + 4 = X, X - 8 = P$  (ODD ONE)  
 $U - 4 = Q, Q - 4 = M$   
 All except 'TXP' follow the same pattern. Hence, the correct option is C.

(20-24):



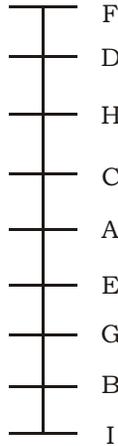
20. (3)      21. (2)      22. (1)  
23. (4)      24. (3)

**(25 - 29) :**

in → to  
market → pi  
less → je  
share → vo  
maximum → zo  
dollar → ab  
now → su  
making → ka  
the/gains → do/yo

25. (3)      26. (1)      27. (5)  
28. (2)      29. (3)

**(30 - 34) :**



30. (2)      31. (2)      32. (3)  
33. (4)      34. (1)

35. (3) Numbers are :  
5 8 6 7 4 1 3 9  
9 8 7 6 5 4 3 1

Two digits are there in the number 5 8 6 7 4 1 3 9 that will remain in the same position - 8 and 3.

**MATHS**

**(36-40) :**

Name of the Organisations	Male	Female	Total employee
1	8	4	12
2	8	4	12
3	8	4	12
4	8	20	28

36. (2) The number of males in all the organisations are the same and the total number of males in all organisations is 32.

⇒ Number of male in each organisations =  $\frac{32}{4} = 8$

The total number of employees in each of the first three organisations is 12.

∴ Number of females in each of the first three organisations = 12 - 8 = 4

There are 50% females out of the total number of employees, therefore percentage of male = 50%

∴ Total number of males = Total number of females = 32

∴ Number of female employee in organisation 4 = 32 - (4 + 4 + 4) = 20  
Required ratio = 8 : 20 = 2 : 5.

37. (4) The number of males in all the organisations are the same and the total number of males in all organisations is 32.

⇒ Number of male in each organisations =  $\frac{32}{4} = 8$

The total number of employees in each of the first three organisations is 12.

∴ Number of females in each of the first three organisations = 12 - 8 = 4

There are 50% females out of the total number of employees, therefore percentage of male = 50%

∴ Total number of males = Total number of females = 32

⇒ Number of female employee in organisation 4 = 32 - (4 + 4 + 4) = 20

38. (2) The number of males in all the organisations are the same and the total number of males in all organisations is 32.

⇒ Number of male in each organisations =  $\frac{32}{4} = 8$

The total number of employees in each of the first three organisations is 12.

∴ Number of females in each of the first three organisations = 12 - 8 = 4

There are 50% females out of the total number of employees, therefore percentage of male = 50%

∴ Total number of males = Total number of females = 32

- $\Rightarrow$  Number of female employee in organisation 4 =  $32 - (4 + 4 + 4) = 20$   
Required percentage =  $(4/20) \times 100 = 20\%$
39. (4) Number of persons in organisation 3 = 12 of 50% are illiterate.  
Therefore literate employees = 50% of 12 = 6
40. (2) No. of males = 32  
No of male in any organisation =  $\frac{32}{4} = 8$
41. (4) Rate of interest (effective) for person A =  $\frac{2+2+4}{100} = 4.04\%$   
Interest earned by person A = 4.04% of 10000 = Rs. 404  
Rate of interest (effective) for person C =  $\frac{4+4+16}{100} = 8.16\%$   
Interest earned by person C = 8.16% of 20000 = Rs.1632  
Required difference =  $1632 - 404 = \text{Rs.}1228$
42. (4) Amount earned by person B =  $15000 + \frac{(15000 \times 6 \times 4)}{100} = 18600$   
Amount earned by person D =  $16000 + \frac{(16000 \times 3 \times 8)}{100} = 19840$   
Required ratio =  $1860 : 1984 = 465 : 496$
43. (2) Amount earned by person A =  $10000 + 4.04\%$  of 10000 = Rs. 10404  
Interest paid by person G = 40% of 10404 = Rs. 4161.6
44. (4) Interest received by B = 24% of 15000 = 3600  
Interest earned by Person C = 8.16% of 20000 = Rs. 1632  
Required Percentage =  $1632 \times \frac{100}{3600} = 45.33\%$
45. (1) Amount received by person E  
 $= P \times \left(1 + \frac{R}{100}\right)^T = 10000 \times \left(1 + \frac{4}{100}\right)^4 = 11698.6$

46. (1) Average number of questions attempted in mock test =  $\left(\frac{1}{3}\right) \times (180 + 160 + 175) = \frac{515}{3}$   
Average number of questions attempted in actual test =  $\left(\frac{1}{3}\right) \times (140 + 150 + 120) = \frac{410}{3}$   
 $\therefore$  Required Diff = 35
47. (3) Number of questions attempted correctly by A = 60% of 140 = 84  
Number of questions attempted correctly by A = 55% of 120 = 66  
 $\therefore$  Required average =  $\frac{(84+66)}{2} = 75$
48. (4) Number of question attempted incorrectly by E = 45% of 120 = 54  
Number of questions attempted by A = 180  
Required % =  $\frac{54 \times 100}{180} = 30$
49. (5) Number of question attempted incorrectly by E = 45% of 120 = 54  
Number of questions attempted by A = 180  
Incorrect question attempted by A in mock test = 40% of 180 = 72  
Number of ques attempted by Ein mock test = 175  
Correct Ques attempted by E in mock test = 55% of 175  
 $\therefore$  Required ratio =  $40 \times 180 : 55 \times 175 = 288 : 385$
50. (3) Total number of questions attempted by all three candidates on mock test =  $180 + 160 + 175 = 515$   
Total correct questions in actual test = 60% of 140 + 70% of 150 + 55% of 120 =  $84 + 105 + 66 = 255$   
 $\therefore$  Required Difference =  $515 - 255 = 260$
51. (3)
- |                               |     |     |    |    |    |
|-------------------------------|-----|-----|----|----|----|
| 10                            | 40  | 60  | 72 | 78 | 80 |
| ----- ----- ----- ----- ----- |     |     |    |    |    |
| +30                           | +20 | +12 | +6 | +2 |    |
| ----- ----- ----- -----       |     |     |    |    |    |
| +10                           | +8  | +6  | +4 |    |    |
52. (4)
- |                               |                |                |                |                |    |
|-------------------------------|----------------|----------------|----------------|----------------|----|
| 18                            | 20             | 16             | 24             | 8              | 40 |
| ----- ----- ----- ----- ----- |                |                |                |                |    |
| +2                            | -4             | +8             | -16            | +32            |    |
| ↑                             | ↑              | ↑              | ↑              | ↑              |    |
| 2 <sup>1</sup>                | 2 <sup>2</sup> | 2 <sup>3</sup> | 2 <sup>4</sup> | 2 <sup>5</sup> |    |

53. (3)

$$\begin{array}{cccccc} 11 & 15 & 31 & 67 & 131 & 231 \\ \hline & +4 & +16 & +36 & +64 & +100 \end{array}$$

54. (4) The pattern of series is :

$$\begin{aligned} 14 \times 2 &= 28 \\ 28 \times 3 &= 84 \\ 84 \times 4 &= 336 \\ 336 \times 5 &= \mathbf{1680} \end{aligned}$$

55. (4)

56. (3)  $5030.05 \div 42.93 + 24.49\%$  of  $5049.93 \div 100 = ?$

$$\begin{aligned} \Rightarrow ? &= 5030 \div 43 + 24.5\% \text{ of } 5050 \div 100 \\ \Rightarrow ? &= 116.9764 + 1237.25 \div 100 \\ \Rightarrow ? &= 117 + 12 \approx 130 \\ \therefore ? &= 130 \end{aligned}$$

57. (5)  $? = (39.99)^2 - (9.9)^2 - (15.1)^2 = ?$

$$\begin{aligned} ? &= (40)^2 - (10)^2 - (15)^2 \\ &\approx 1275 \end{aligned}$$

58. (2)  $1325 \times \sqrt{17} + 20\%$  of  $508.24 - \frac{3}{4}$  of  $85.39 = ?$

$$\begin{aligned} &= 1325 \times 4 + 101 - 63 \\ &= 5300 + 101 - 63 = 5338 \end{aligned}$$

59. (5)  $(7.02)^2 \times (360.85)^{1+2} \times (31.98)^2 \div [(7.99)^3 - (16.02)^2] = ?$

$$\begin{aligned} ? &= 7^2 \times \sqrt{361} \times 32^2 \div (8^3 - 16^2) \\ \Rightarrow ? &= 49 \times 19 \times 32 \times 32 \div (512 - 256) \\ \Rightarrow ? &= 49 \times 19 \times 32 \times 32 \div (256) \\ \Rightarrow ? &= 49 \times 19 \times 32 \times 32 \times \frac{1}{256} \\ \Rightarrow ? &= 3724 \end{aligned}$$

60. (2)  $(5.89 + 280.91) \div 6.97 + 87.91 - (5.02)^2 = ?$

$$\begin{aligned} \Rightarrow &(6 + 281) \div 7 + 88 - 5^2 \\ \Rightarrow &\frac{287}{7} + 88 - 25 \\ \Rightarrow &41 + 88 - 25 \\ \Rightarrow &104 \end{aligned}$$

61. (1) From the bag he can pick 1 blue or 1 red ball

OR 1 red or 1 blue ball

So, the probability will be  $\bar{A}$

$$\left(\frac{10}{25}\right) \times \left(\frac{15}{24}\right) + \left(\frac{15}{25}\right) \times \left(\frac{10}{24}\right) = \frac{1}{2}$$

Alternate method :

$${}^{10}C_1 \times \frac{{}^{15}C_1}{{}^{25}C_2} = \frac{1}{2}$$

62. (3) A, B and C together works for  $5\frac{5}{47}$  days to complete a job, then

$$\text{One day's work of } (A + B + C) = \frac{47}{240}$$

B and C together complete the job in  $8\frac{8}{9}$  days, then

$$\text{One day's work of } (B + C) = \frac{9}{80}$$

So, One day's work of A

$$= \frac{47}{240} - \frac{9}{80} = \frac{1}{12}$$

So, time taken by A to complete the job = 12 days

A is  $33\frac{1}{3}\%$  more efficient than C

$$\text{i.e. A is } \left(100 + 33\frac{1}{3}\%\right)\% = \left(1 + \frac{1}{3}\right)$$

$$= \frac{4}{3}$$

efficient than C

$\therefore$  The ratio of efficiencies of A and C = 4 : 3

So, ratio of time taken by A and C to complete the job = 3 : 4 (As time taken and efficiency are inverse of each other)

Hence, the time taken by C to complete the job =  $\frac{12}{3} \times 4 = 16$  days.

63. (4) Monthly income of A and B = 6050  $\times$  2

Monthly income of A and B = 12100 .....(1)

Monthly income of B and C = 6700  $\times$  2

Monthly income of B and C = 13400 .....(2)

Monthly income of A and C = 7250  $\times$  2

Monthly income of A and C = 14500 .....(3)

By adding equation (1), (2) and (3)

$$2(A + B + C) = 40000$$

$$A + B + C = 20000 \quad \text{.....(4)}$$

Subtracting equation (2) from equation (4)

$$A = \text{Rs.}6600$$

64. (2) Ratio of ages of P and Q is 3 : 5, i.e. P =

$$\frac{3}{5}Q$$

Age of S and T together is 20 more than the thrice of age of R, i.e.  $S + T = 3R + 20$

Q's present age =  $43 - 8 = 35$

Then,  $P = 21$

Thrice the age of Q is equal to seven times the age of R, i.e.  $3Q = 7R$

So,  $R = 15$

Sum of ages of Q, R and S is 95, i.e.  $Q + R + S = 95$

$35 + 15 + S = 95$

So,  $S = 45$

Now,  $45 + T = (15 \times 3) + 20$

$T = 20$

Therefore, sum of age of P after 11 years and age of T before 9 years =  $(21 + 11) + (20 - 9) = 43$

Hence, option (2) is the answer.

65. (3) Let the marked price of each article was Rs. 'x'

Then, the selling price of article A =

$85\% \text{ of } x = \text{Rs. } \frac{17x}{20}$

And, the selling price of article B =  $88\%$

of x =  $\text{Rs. } \frac{22x}{25}$

$\Rightarrow$  Cost price of article A

$= \frac{17x}{20} \times \frac{100}{106.25} = \text{Rs. } \frac{4x}{5}$

$\Rightarrow$  Cost price of article B

$= \frac{22x}{25} \times \frac{100}{120} = \text{Rs. } \frac{11x}{15}$

According to the question,

$\frac{4x}{5} - \frac{11x}{15} = 160$

So,

$= \frac{12x - 11x}{15} = 160$

$= \frac{x}{15} = 160; x = 2400$

Therefore, the marked price of each article = Rs. 2400

66. (4)

67. (3) Statement I :

Let the cost price of the article be 'x'.

Marked price of the article =  $1.40 \times x = \text{Rs. } 1.4x$

Selling price of the article =  $0.80 \times 1.4x = \text{Rs. } 1.12x$

Profit =  $1.12x - x = 156$

$x = 1300$

So, the cost price of the article = 1300

Thus, statement I alone is sufficient to answer the question

Statement II:

Let the cost price of the article be 'x'.

Marked price of the article =  $x + 520$

Selling price of the article =  $\text{Rs. } 1.12x = 0.80$

$x(x + 520)$

$x = 1300$

So, the cost price of the article = 1300

Thus, statement II alone is sufficient to answer the question.

So option (3) is the correct answer.

68. (5)                      69. (4)

70. (3) SP = Selling price

CP = Cost price

SP = Rs.30000

From statement I:

$5 \times \text{SP} = 7 \times \text{CP}$

$\text{CP} = \frac{5\text{SP}}{7}$

Profit =  $(\text{SP} - \text{CP}) = \text{SP} - \frac{5\text{SP}}{7}$

$= \frac{2\text{SP}}{7}$

Profit =  $2 \times \frac{30000}{7}$

From statement II:

Profit% =  $(\text{SP} - \text{CP})/\text{CP} \times 100\%$

$45 = (30000 - \text{CP})/\text{CP} \times 100$

$\frac{45}{100} = (30000 - \text{CP})/\text{CP}$

$45\text{CP} = 3000000 - 100\text{CP}$

$145\text{CP} = 3000000$

$\text{CP} = \frac{3000000}{145} = 20689$

Profit =  $\text{SP} - \text{CP}$

$= 30000 - 20689$

Hence, both the statements alone are sufficient to answer this question.

**ENGLISH LANGUAGE**

91. (2) Add 'that' before 'the work'.  
92. (4) Change 'indicates' into 'indicate'.  
93. (3) Change 'to be' into 'being'.  
94. (3) Remove 'the' before 'earth'.  
95. (1) Change 'life' into 'lives'.  
96. (1) Change 'have' into 'has'.  
97. (2) Change 'linkage to into' 'linked to'.  
98. (1) Change 'easy through' into 'eased through'.  
99. (5) No error.  
100. (1) Remove 'the' before 'Anglo - saxon'.

**VOCABULARIES**

<b>Words</b>	<b>Meaning in English</b>	<b>Meaning in Hindi</b>
Burgeoning	increase rapidly	तेजी से बढ़ता हुआ
Substantial	of considerable importance, size, or worth	पर्याप्त
Prosperity	the state of being prosperous	समृद्धि, सम्पन्नता
Attractions	power of evoking interest	आकर्षण
Fever Pitch	a state of extreme excitement	उत्तेजना की चरम सीमा
Sanitation	conditions relating to public health	स्वच्छता
Rendered	provide or give	देना
Lymph tissues	a colorless fluid containing white blood cells	लसीका ऊतक
Aggression	hostile or violent behavior	आक्रमकता
Derive (from)	obtain something from	उत्पन्न होना

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**IBPS PO PHASE -I MOCK TEST - 199 (ANSWER KEY)**

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