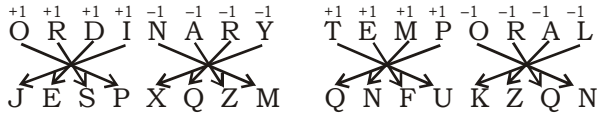
# IBPS PO SPECIAL PHASE-I MOCK TEST - 314 (SOLUTION)

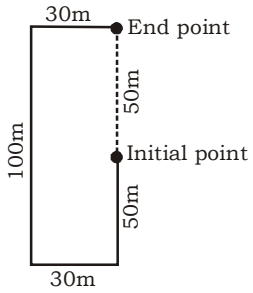
## REASONING

1. (3)
2. (3)

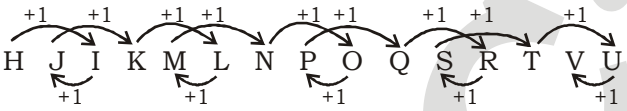



3. (2) Shubham > Aashu > Anuraag > Mandeep
Hence, Shubham earns the maximum.
4. (4) 5. (2) 6. (3)

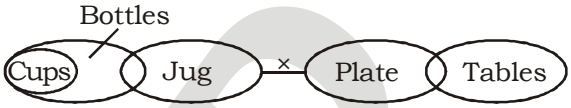
7. (4)




8. (3)

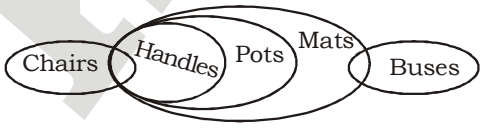



9. (4)
10. (2) I N D I V I D U A L
11. (5) **Statement :**



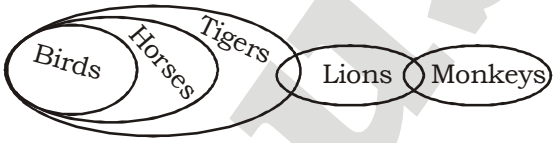

**Conclusion :**
I. Can't say II. Can't say
III. Can't say IV. Can't say
But after comparing, we find that either I or III is true.

12. (2) **Statement :**



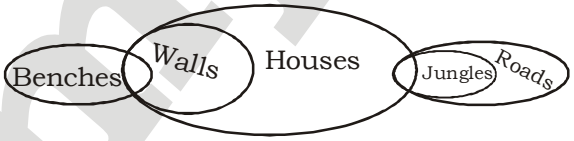

**Conclusion :**
I. Can't say II. True
III. True IV. True
Only II, III and IV follow.

13. (1) **Statement :**



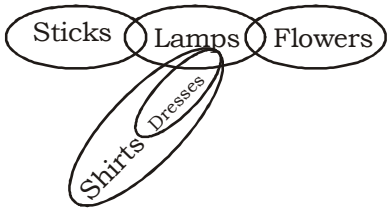

**Conclusion :**
I. True II. Can't say
III. True IV. Can't say
Only I and III follow.

14. (3) **Statement :**




**Conclusion :**
I. Can't say II. Can't say
III. True IV. True
Only III and IV follow.

15. (1) **Statement :**




**Conclusion**
I. Can't say II. Can't say
III. Can't say IV. Can't say
None follows.

**(16 – 20) :**

| | | |
|---|---|---|
| Hewitt | – Personnel | – Table Tennis |
| Suarez | – Administration | – Football |
| Sreejesh | – Administration | – Hockey |
| Jordan | – Administration | – Basketball |
| Richards | – Marketing | – Cricket |
| Giba | – Personnel | – Volleyball |
| Sampras | – Marketing | – Lawn Tennis |
| Lin Dan | – Marketing | – Badminton |

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

**(21–25) :**

$\$ \rightarrow \geq$ $\square \rightarrow =$

$@ \rightarrow >$ $\copyright \rightarrow \leq$

$\# \rightarrow <$

21. (2) **Statement :**
$H > T < F = E \leq V$
**Conclusion :**
I. $V \geq F$ ; true II. $E > T$ ; True
III. $H > V$ ; Can't say IV. $T < V$ ; True
Only I, II and IV are true.

22. (5) **Statement :**
$D < R \leq K > F \geq J$
**Conclusion :**
I. $J < R$ ; Can't say II. $J < K$ ; True
III. $R < F$ ; Can't say IV. $K > D$ ; True

23. (5) **Statetment :**
$N = B \geq W < H \leq M$
**Conclusion :**
I. $M > W$ ; True
II. $H > N$ ; Can't say
III. $W = N$ ; Can't say
IV. $W < N$ ; Can't say
But after camparing, we find that either III or IV and I are true.

24. (1) **Statements :**
$R \leq D \geq J < M > K$
**Conclusions:**
I. $K < J$ ; Can't say
II. $D > M$ ; Can't say
III. $R < M$ ; Can't say
IV. $D > K$ ; Can't say
None is true.

25. (4) **Statements :**
$M \geq K > N \leq R < W$
**Conclusions:**
I. $W > K$ ; Can't say
II. $M \geq R$ ; Can's say
III. $K > W$; Can't say
IV. $M > N$ ; True
But after comparing we find that either I or III and IV are true.

**(26-30):**

The machine rearranges words and numbers in such a way that numbers are arranged from the left side with the smallest number coming first and moving subsequently so that in the last step numbers are arranged in descending order. While the words are arranged from the right side as they appear in English alphabetical order.

**Input:** 73 word show 19 42 never break heart for 59 21 value 68 99

**Step I:** 19 73 word show 42 never heart for 59 21 value 68 99 break

**Step II:** 21 19 73 word show 42 never heart 59 value 68 99 break for

**Step III:** 42 21 19 73 word show never 59 value 68 99 break for heart

**Step IV:** 59 42 21 19 73 word show value 68 99 break for heart never

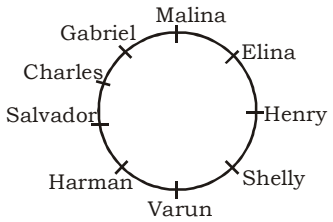
**Step V:** 68 59 42 21 19 73 word value 99 break for heart never show

**Step VI:** 73 68 59 42 21 19 word 99 break for heart never show value

**Step VII:** 99 73 68 59 42 21 19 break for heart never show value word

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

**(31–35) :**




31. (1) 32. (4) 33. (3)
34. (2) 35. (5)

**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 × 360 children = 18 × 72 men
= 12 × 162 women
$\Rightarrow$ 45 children =18 men = 27 women
$\Rightarrow$ 5 children = 2 men = 3 women
Now, 4 men +12 women +10 children
= 4 men + 8 men + 4 men = 16 men
Q 18 men can complete the work in 72 days.
$\therefore$ 16 men can complete the same work

$= \frac{18\times72}{16} = 81$ days

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

$\therefore \quad x+y = \frac{4.8}{\frac{8}{60}} = \frac{4.8\times60}{8}$

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

and, $x-y = \frac{4.8}{\frac{9}{60}} = \frac{4.8\times60}{9}$

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

By equation (i) – (ii),
$x + y - x + y = 36 - 32 = 4$

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

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

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

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

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

Rest amount

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

Interest earned by each at end of 1 year

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

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

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

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

$\therefore$ 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 $= \frac{1}{20}$

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

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

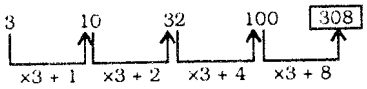
$\Rightarrow \quad \frac{20-x}{x} = \frac{1}{4}$

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

$\Rightarrow \quad 5x = 80$

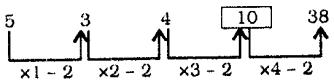
$\Rightarrow \quad x = 16$

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




Hence, 308 will come in place of question mark.

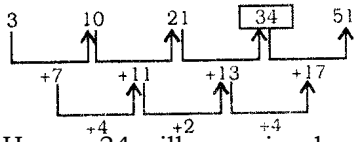
52. (5) The given series is based on the following pattern.




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.

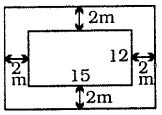
55. (4) The given series is based on the following pattern.
$5 \times 2 + 1 = 11$
$11 \times 2 + 3 = 25$
$25 \times 2 + 5 = 55$
$55 \times 2 + 7 = 117$

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

57. (3) Let the number of children be $x$
$\therefore$ No. of sweets received by each child = $\frac{405}{x}$
$\Rightarrow \frac{405}{x} = 20\%$ 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 = $19 \times 16 = 304\ m^2$




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

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
$= 24\left[\frac{10}{100} \times \frac{3}{10} + \frac{17}{100} \times \frac{8}{17}\right]$
$= 24[0.03 + 0.08] = 24 \times 0.11 = 2.64$ crore

62. (2) $Q_{I_1} = 24 \times \frac{20}{100} \times \frac{2}{5} = 1.92$ crore
$R_{I_2} = 24 \times \frac{15}{100} \times \frac{7}{15} = 1.68$ crore
$\square$ Different = 1.92 – 1.68 = 0.24 crore
= 24 lakh

63. (4) $\text{Profit}_{(I_1 + I_2)} = 24 \times \frac{25}{100}\left[\frac{14}{25} \times \frac{20}{100} + \frac{11}{25} \times \frac{30}{100}\right]$
Profit $= 24 \times \frac{25}{100} \times \frac{1}{250}\ [28 + 33]$
$= 1.464$ crore

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

65. (1) $\text{Profit}_P = 24 \times \frac{25}{100} \times \frac{14}{25} \times \frac{20}{100}$
$= 0.672$ crore
$\text{Profit}_T = 24 \times \frac{10}{100} \times \frac{7}{10} \times \frac{25}{100}$
$= 0.42$ crore
$\square$ Ratio = $\frac{0.672}{0.42} = \frac{8}{5} = 8 : 5$

66. (4) I. $x^2 + 5x + 6 = 0$

$\Rightarrow x^2 + 2x + 3x + 6 = 0$

$\Rightarrow x(x + 2) + 3(x + 2) = 0$

$\Rightarrow (x + 3)(x + 2) = 0$

$\therefore x = -3$ or $-2$

II. $y^2 + 3y + 2 = 0$

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

$\Rightarrow y(y + 2) + 1(y + 2) = 0$

$\Rightarrow (y + 1)(y + 2) = 0$

$\therefore y = -1$ or $-2$

Clearly, $x \leq y$

67. (5) I. $x^2 - 10x + 24 = 0$

$\Rightarrow x^2 - 6x - 4x + 24 = 0$

$\Rightarrow x(x - 6) - 4(x - 6) = 0$

$\Rightarrow (x - 4)(x - 6) = 0$

$\therefore x = 4$ or $6$

II. $y^2 - 9y + 20 = 0$

$\Rightarrow y^2 - 5y - 4y + 20 = 0$

$\Rightarrow y(y - 5) - 4(y - 5) = 0$

$\Rightarrow (y - 4)(y - 5) = 0$

$\therefore y = 4$ or $5$

68. (4) I. $x^2 = 961$

$\Rightarrow x = \pm 31$

II. $y = \sqrt{961} = 31$

$\Rightarrow x \leq y$

69. (5) I. $x^2 - x - 72 = 0$

$\Rightarrow x^2 - 9x + 8x - 72 = 0$

$\Rightarrow x(x - 9) + 8(x - 9) = 0$

$\Rightarrow (x + 8)(x - 9) = 0$

$\therefore x = -8$ 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 LANGUAGE

**(91–95) : (CGDBFEA)**

91. (2) 92. (1) 93. (3)

94. (4) 95. (2)

96. (4) Replace 'with' by 'about'.

97. (3) Replace 'yet' by 'but'.

98. (1) Replace 'deliberately' by 'deliberate'.

99. (1) Replace 'based' by 'having'.

100. (5) No error.

# VOCABULARIES

| Word | Meaning in English | Meaning in Hindi |
|---|---|---|
| Nascent | Emerging; just coming into existence. | उदीयमान, उभरता हुआ |
| Insolvent | Unable to pay one's bills or discharge financial obiligations. | दिवालिया, निर्धन |
| Allege | To assert without proof. | आरोप लगाना |
| Ponzi scheme | A swindle in which a quick return, made up of money from new investors, on an initial investment lures the victim into much bigger risks. | छल, भ्रष्ट योजना |
| Pose | To assert, state, or put forward | पेश करना |
| Expedience | The quality of being suited to the end in view | लाभ, सुविधा |
| Facilitates | to make easier of less difficult | सरल बनाना, मदद देना |
| Prudential | Having caution with regard to practical matters; discretion | चातुर्य पूर्ण, बुद्धिमानी |
| Brick-and-mortar | Pertaining to conventional stores, businesses, etc., having physical buildings and facilities, as opposed to Internet or remote services. | भौतिक अस्तित्व |
| Complementary | acting as or providing a complement (something that completes the whole) | पूरक, पूरा करने वाला |
| Expedite | To speed up the progress of | शीघ्र निबटाना, जल्दी करना |
| Entangling | Twisted together of entwine into a confusing mass | फँसा हुआ, घिरा हुआ |

# IBPS PO SPECIAL PHASE-I MOCK TEST - 314 (ANSWER KEY)

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