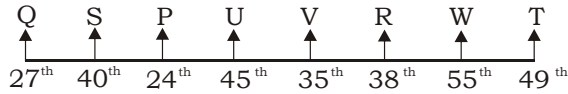


IBPS PO PHASE - I - 159 (SOLUTION)

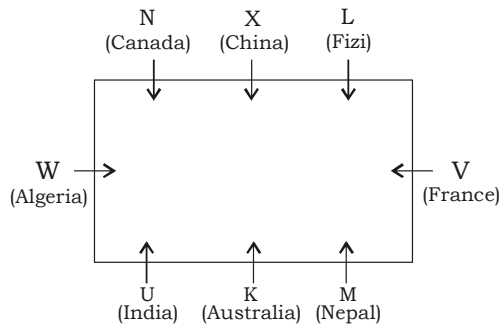
REASONING

(1-5):



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

(6-10):



6. (2) 7. (4) 8. (5)
9. (3) 10. (4)

(11-15):

- © → >
® → =
→ >
@ → <
\$ → ≤

11. (3) Combining all statements

- $M \leq A > L \geq D$
I. $M < L \rightarrow$ False
II. $A \geq D \rightarrow$ False
III. $D < A \rightarrow$ True
Only III is true

12. (2) Combining all statements

- $W = X < M \leq K$
I. $K < W \rightarrow$ False
II. $M > W \rightarrow$ True
III. $K > X \rightarrow$ True
II and III are true

13. (2) Combining all statements

- $B < D \leq R \geq J$
I. $J > B \rightarrow$ False
II. $R > B \rightarrow$ True
III. $J = D \rightarrow$ False
Only II is true

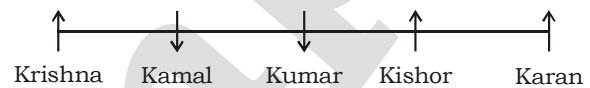
14. (5) Combining all statements

- $G \geq K > H = F$
I. $F < K \rightarrow$ True
II. $F < G \rightarrow$ True
III. $H < G \rightarrow$ True
All are true

15. (5) Combining all statements

- $H = O < V \leq K$
I. $K > O \rightarrow$ True
II. $V > H \rightarrow$ True
III. $H < K \rightarrow$ True
All are true

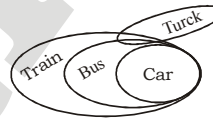
(16-20):



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

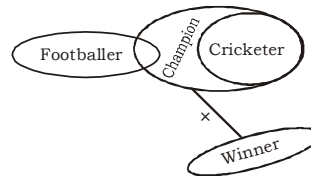
(21-25):

21. (2)



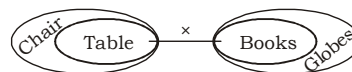
- I. True II. False
III. False IV. False
Only I follows

22. (1)



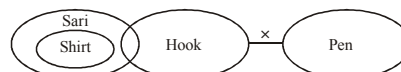
- I. False II. False
III. False IV. False
None follows

23. (3)



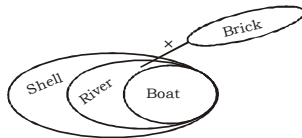
- I. Doubt II. Doubt
III. False IV. False
Either I or II follows

24. (4)



- I. False II. False
III. True IV. False
Only III follows

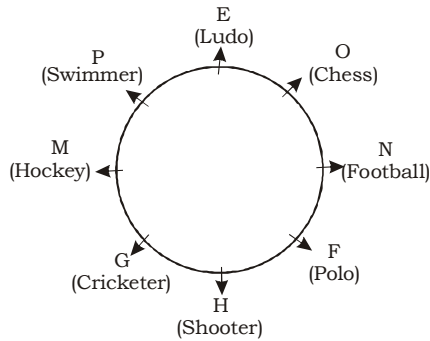
25. (2)



- I. True II. False
III. True IV. False

Only I and III follow

(26-30) :



26. (3)

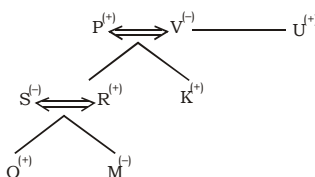
27. (4)

28. (2)

29. (2)

30. (3)

(31-32):

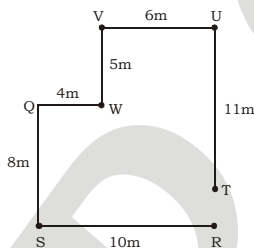


31. (1)

32. (5)

33. (4)

(34-35):



34. (5)

35. (3)

Maths

(36-41) :

36.(2) Required ratio = $\frac{\frac{10}{100} \times 400 + \frac{10}{100} \times 250}{\frac{8}{100} \times 500 + \frac{10}{100} \times 360}$

= 65 : 75

37.(1) Required average

$$= \frac{\frac{8}{100} \times 500 + \frac{6}{100} \times 400 + \frac{10}{100} \times 360 + \frac{12}{100} \times 250}{4}$$

= $\frac{130}{4} = \frac{65}{2} = 32\frac{1}{2}$

38.(3) Students participating in dance from

Class VII = $\frac{60}{100} \times 400 = 240$

Students participating in dance from

Class IX = $\frac{12}{100} \times 250 = 30$

Required percentage

= $\left(\frac{10}{30} \times 100\right)\% = \frac{100}{3}\% = 33\frac{1}{3}\%$

39.(4) Students who don't participate in dance and play from class VI = 500 - (15% + 8%) of 500

= $500 - \frac{23}{100} \times 500$
= $500 - 115 = 385$

Students who do not participate in dance and play in class IX

= $250 - (10\% + 12\%) \times 250$
= $250 - 55 = 195$

Required sum = 195 + 385 = 580

40.(1) Students who participate only in dance from class VI

= $\frac{15}{100} \times 500 - \frac{20}{100} \times \frac{15}{100} \times 500$

= $75 - \frac{1}{5} \times 75 = 60$

Students who participate only in dance

from class VI = $\frac{8}{100} \times 500 - 15$

= $40 - 15 = 25$

Required ratio = 60 : 25 = 12 : 5

41.(4) Required percentage

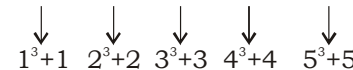
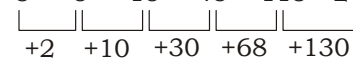
= $\left(\frac{\frac{10}{100} \times 400}{\frac{12}{100} \times 250}\right)\%$

= $\left(\frac{10 \times 400}{12 \times 250} \times 100\right)\% = 33\frac{1}{3}\%$

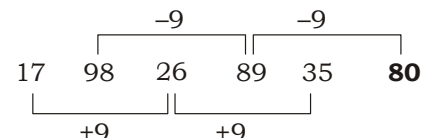
(42-46):

42.(4) The number series is :

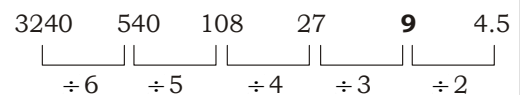
3 5 15 45 113 243



43.(3) The number series is :



44.(3) The number series is :



45.(1) The number series is :
7 4.5 5.5 12 49 **393**
| | | | |
×0.5+1 ×1+1 ×2+1 ×4+1 ×8+1

46.(4) The number series is :
2 17 89 359 1079 **2159**
| | | | |
×6+5 ×5+4 ×4+3 ×3+2 ×2+1

(47-52):

47.(2) $(\sqrt{80.997} - \sqrt{25.001}) \times (\sqrt{120.90} + \sqrt{16.02}) = ?$
 $\Rightarrow ? = (9 - 5) \times (11 + 4)$
 $\Rightarrow ? = 60$

48.(1) $55.01 - 345.02 \div 22.99 = 2 \times ?$
 $\Rightarrow 2 \times ? \approx 55 - \frac{345}{23}$
 $\Rightarrow ? = 20$

49.(2) $\sqrt{3099.985 \div 62.001 + 14.001} = ?$
 $\Rightarrow ? = \sqrt{\frac{3100}{62} + 14}$
 $= \sqrt{50 + 14} = 8$

50.(4) $(111.99 \times 5) \div 14.02 = 11.002 + ?$
 $\Rightarrow 11 + ? \approx (112 \times 5) \div 14$
 $\Rightarrow ? = 40 - 11 = 29$

51.(4) 24.97% of $84.01 \div 6.995 = ?$
 $\Rightarrow ? \approx \frac{25}{100} \times \frac{84}{7}$
 $\Rightarrow ? = 3$

52.(4) $\left(184.002 - \frac{29}{5}\right) \times 29.99 = ?$
 $\Rightarrow ? \approx \left(184 - \frac{29}{5}\right) \times 30$
 $= \left(\frac{184 \times 5 - 29}{5}\right) \times 30$
 $= \frac{891}{5} \times 30 = 5346 \approx 5340$

53.(3) At present sum of age = 76 years
After 7 years sum of age will be
 $7x + 6x + 5x + 8x = 76 + 7 \times 4$
 $\Rightarrow 26x = 76 + 28$
 $\Rightarrow x = \frac{104}{26} = 4$

C's present age = $5x - 7$
 $= 20 - 7 = 13$ years
54.(2) Sum of length of train A and B = 660 m
 $A + B = 660$
Let speed be $5x$ and $8x$
and time taken to cross pole be $4y$ and $3y$
So,
 $5x \times 4y + 8x \times 3y = 660$
 $44xy = 660$
 $xy = 15$
 $A - B = 24xy - 20xy$
 $= 4xy$
 $= 4 \times 15 = 60$ meters

55.(1) 40% of new mixture = 20L
100% of new mixture = $\frac{20}{40} \times 100$
 $= 50L$

A/Q,
 $28 + x + 8 + x = 50$
 $2x = 50 - 36$
 $x = 7L$

56.(4) Time taken by A in completing $\frac{1}{3}$ of work
 $= 24 \times \frac{1}{3} = 8$ days

8 day = time taken by B in completing $\frac{1}{2}$ of work
B alone will complete the work = 16 days

\therefore Required time = $\frac{16 \times 24}{40} = \frac{48}{5}$ days

57.(5) $MP = 1600 + CP$ (i)

$MP - 500 = \frac{125}{100} \times CP$

$MP = \frac{5}{4} CP + 500$

$4MP = 5CP + 2000$ (ii)

Solving (i) and (ii)
 $CP = ₹ 4400$

\therefore Required selling price = $\frac{130}{100} \times 4400$
 $= ₹ 5720$

58.(1) Let $d = 4x$ and $h = 3x$
Total surface area of right circular cylinder is $2\pi(r + h)$

[Where $r \rightarrow$ radius]
 $h \rightarrow$ height]

$\therefore 2\pi \left[2x(2x + 3x) - \frac{3x}{2} \left(\frac{3x}{2} + 3x \right) \right] = 318.5\pi$

$\Rightarrow 2 [10x^2 - 6.75x^2] = 318.5$

$\Rightarrow 6.5x^2 = 318.5$

$\Rightarrow x^2 = 49$

$\Rightarrow x = \pm 7$

\therefore radius (r) = 14 cm

height (h) = 21 cm

\therefore Circumference of base of cylinder

$= 2\pi r = 28\pi \text{ cm}^2$

59.(2) Let digit be xyz

A/Q,

$y = 3$

$(100z - 10y - x) - (100x - 10y - z) = 396$

$\Rightarrow 99z - 99x = 396$

$\Rightarrow z - x = 4$

And it is given that

$z + x = 14$ (i)

Solving (i) and (ii)

$z = 9$

$x = 5$

So, number is 539

60.(2) Let 4 consecutive even number is $x, x+2, x+4, x+6$
A/Q,

$$\Rightarrow \frac{1}{x} + \frac{1}{x+2} = \frac{11}{60}$$

$$\Rightarrow \frac{x+2+x}{x(x+2)} = \frac{11}{60}$$

$$\Rightarrow \frac{x(x+1)}{x^2+2x} = \frac{11}{60}$$

$$\Rightarrow 120x+120 = 11x^2+22x$$

$$\Rightarrow 11x^2-98x-120=0$$

$$\Rightarrow x = \frac{-24}{22}, 10$$

\therefore third number is 14 and reciprocal of

3rd highest no. is $\frac{1}{14}$.

61.(4) Profit will be shared in ratio

$$= 12 \times 6 : 8 \times \left(\frac{9}{8} \times 8\right) : 9 \times 12$$

$$= 12 \times 6 : 8 \times 9 : 9 \times 12$$

$$= 2 : 2 : 3$$

$$\text{C's profit} = \frac{16750}{2} \times 3 = ₹ 25125$$

62.(1) Downstream speed = $\frac{18}{3} = 6$ km/hr

or $x + y = 6$ (when $x \rightarrow$ speed of boat in Still water, $y \rightarrow$ speed of current)

$$\text{Speed of water} = \frac{1}{3} \times 6 = 2 \text{ km/hr}$$

$$\text{Speed of boat in still water} = 4 \text{ km/hr}$$

$$\text{Required time} = \frac{100}{(4-2)} = 50 \text{ hour}$$

63.(2) Let M.P. = x
The cost price and selling price be $5y$ and $6y$

ATQ,
 $80\%x = 6y$

$$x = \frac{30y}{4}$$

$$x = 7.5y$$

$$\text{Required percentage} = \left(\frac{7.5y-5y}{5y} \times 100\right)\%$$

$$= \left(\frac{2.5y}{5y} \times 100\right)\% = 50\%$$

64.(4) Total expenditure = 80% of salary
Expenditure excluding clothing

$$= 80\% - \frac{25}{100} \times 80\%$$

$$= 60\% \text{ of savings}$$

$$\text{Ramesh savings} = \frac{3600}{60} \times 20 = ₹ 1200$$

(65-70):

65.(4) Total no. of hats sold on Wednesday
 $= 64 + 48 = 112$

Total no. of hats sold no Tuesday
 $= 60 + 36 = 96$

$$\text{Required \%} = \left(\frac{112-96}{96} \times 100\right)\%$$

$$= 16\frac{2}{3}\%$$

66.(2) No. of hats sold on Friday by A after

$$\text{increase} = 56 \times \frac{8}{7} = 64$$

Average no. of hats sold on Monday, Wednesday and Friday by A

$$= \frac{46+64+64}{3} = \frac{174}{3} = 58$$

67.(5) No. of hats sold on Saturday

$$= 112 \times \frac{15}{14} = 120$$

68.(3) No. of hats sold on Monday and Wednesday by A $= 34 + 48 = 82$

No. of hats sold on Friday by A and B together $= 56 + 40 = 96$

Required Difference $= 96 - 82 = 14$

69.(1) Hats sold on Thursday that are not

$$\text{defected} = \frac{20}{100} \times 60 + \frac{25}{100} \times 52$$

$$= 12 + 13 = 25$$

70.(2) No. of hats sold on Tuesday & Friday by A
 $= 36 + 56 = 92$

No. of hats sold on Tuesday & Friday by B
 $= 60 + 40 = 100$

Required Ratio $= 92 : 100 = 23 : 25$

ENGLISH LANGUAGE

(91-100):

91. (2) Replace 'of' by 'due to'.

92. (4) Change 'make' into 'makes'.

93. (3) Change 'him' into 'his'.

94. (2) Change 'accuse' into 'accused'.

95. (2) Change 'centre' into 'centres'.

96. (3) Replace 'much' by 'many'.

97. (2) Change 'complete' into 'completely'.

98. (1) Replace 'when' by 'after'.

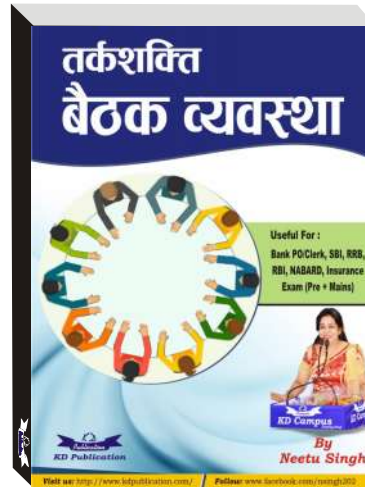
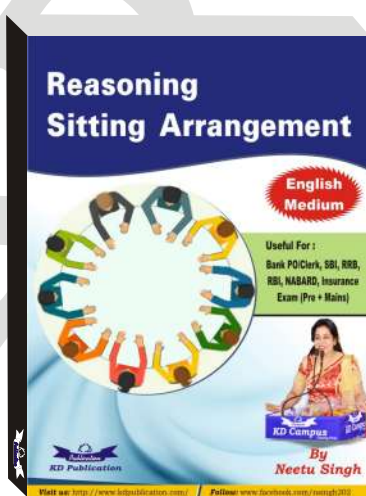
99. (3) Change 'has' into 'have'.

100. (1) Replace 'which' by 'that/who'.

VOCABULARIES

| Words | Meaning in English | Meaning in Hindi |
|-----------------|--|-------------------|
| Elegant | pleasingly graceful and stylish in appearance or manner | रूचिकर |
| Bird's eye view | a view of something from a high position looking down | ऊपरी तौर पर देखना |
| Impose | force to be accepted or put in place | थोपना |
| Exploitation | the action of making use of and benefiting from resources | शोषण |
| Ethical | morally correct or acceptable | नैतिक |
| hapless | unfortunate | बदकिस्मत |
| Remittances | a sum of money sent | भेजा हुआ धन |
| Alleviate | make something less severe | कम करना |
| Plight | a dangerous, difficult, or otherwise unfortunate situation | विकट परिस्थिति |
| Detrimental | tending to cause harm | हानिकारक |
| Profuse | exuberantly plentiful; abundant | प्रचुर |
| Augmenting | increase | बढ़ाना |

For all Bank PO/ Clerk Exams



KD
Campus

KD Campus

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

IBPS PO PHASE - I - 159 (ANSWER KEY)

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