

IBPS PO PHASE - I - 186 (SOLUTION)

REASONING

(1-5):

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

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

6. (4) **Given statements :**

- $W > D = E \geq J = A$ (i)
 $U = D$ (ii)
 $J \leq R$ (iii)

Combining all statements

$W > U = D = E \geq J = A \leq R$

I. $R \geq E \rightarrow$ False

II. $U > A \rightarrow$ False

Hence, neither conclusion I nor II is true.

7. (1) **Given statements :**

- $V > X \leq H < R = L \geq I$ (i)
 $P \geq Q = V$ (ii)

Combining all statements

$P \geq Q = V > X \leq H < R = L \geq I$

I. $P > X \rightarrow$ True

II. $I \leq Q \rightarrow$ False

Hence, Only conclusion I is true.

8. (5) **Given statement :**

- $S \geq T = U \leq W < Z$ (i)
 $K > L > M = Z$ (ii)

Combining all statements

$S \geq T = U \leq W < Z = M < L < K$

I. $K > T \rightarrow$ True

II. $U < M \rightarrow$ True

Hence, both conclusion I and II are true.

9. (5) **Given statement :**

- $C \geq P = Q \geq T$ (i)
 $R > C$ (ii)
 $S = T$ (iii)

Combining all statements

$R > C \geq P = Q \geq T = S$

I. $R > Q \rightarrow$ True

II. $P \geq S \rightarrow$ True

Hence, both conclusion I and II are true.

10. (2) **Given statements :**

$B \leq N < K = L$ (i)

$M = T \geq N$ (ii)

Combining all statements

$M = T \geq N < K = L$

I. $L \leq M \rightarrow$ False

$B \leq N \leq T = M$

II. $T \geq B \rightarrow$ True

Hence, Only conclusion II is true.

(11-15):

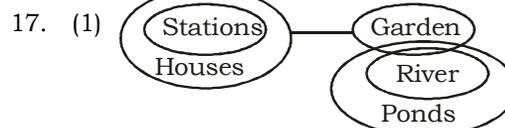
Compartment	Chair
6	Yellow/Violet
5	Red
4	Pink
3	Violet/Yellow
2	White
1	Black

11. (4) 12. (1) 13. (5)
14. (4) 15. (2)

(16-20) :



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



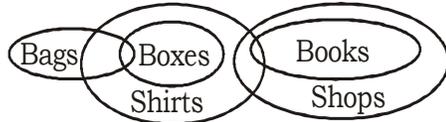
- I. True II. False
III. False IV. False
Only I follows.

18. (5)



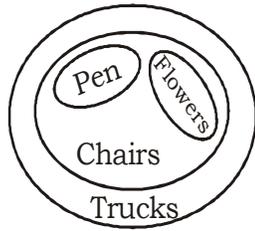
- I. Can't say II. True
 III. False IV. Can't say
 Either I or IV and II follow.

19. (5)



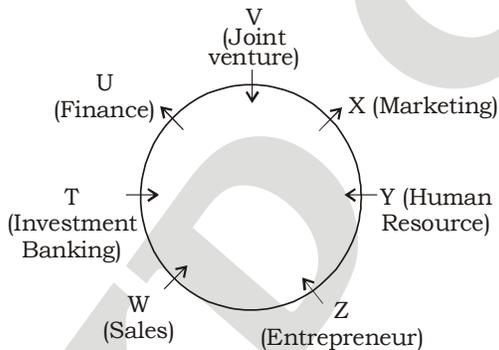
- I. False II. False
 III. True IV. False
 Only II follows.

20. (1)



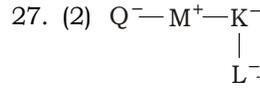
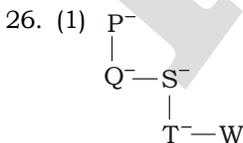
- I. True II. False
 III. True IV. False
 I and III follow.

(21-25) :

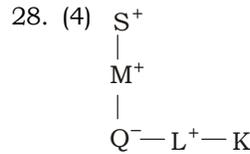


21. (4) 22. (1) 23. (2)
 24. (1) 25. (3)

(26-28) :

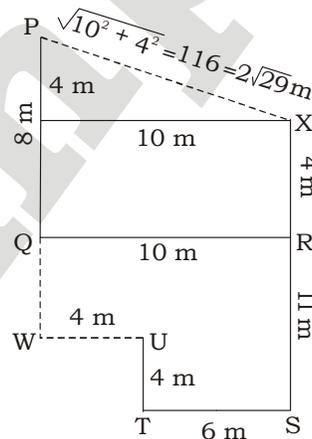


Sister of mother is aunt.



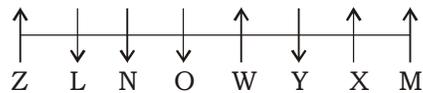
Here, gender of K is not known. Therefore, relation between K and S cannot be established.

(29-30) :



29. (4) 30. (2)

(31-35) :



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

Maths

36. (1) Given that

$$16 = \frac{P \times 10^2}{100^2}$$

$$P = \text{Rs. } 1600$$

When compounded half yearly,

$$\text{C.I.} = 1600 \left[\left(1 + \frac{5}{100} \right)^4 - 1 \right]$$

$$= \text{Rs. } 344.81$$

$$\therefore \text{Required difference} = 344.81 - 0.2 \times 1600 = \text{Rs. } 24.81$$

37. (2) Total number of four digits numbers greater than 5000
 $= 1 \times 4 \times 4 \times 4 - 1 = 63$

38. (4) Required probability = $\frac{{}^5C_3}{{}^9C_3} = \frac{5 \times 4 \times 3}{9 \times 8 \times 7}$
 $= \frac{5}{42}$

39. (3) Let speed of Romita be x km/hr
 Distance = 42 km
 Time = 6h
 $\Rightarrow (4 + x) = \frac{42}{6}$
 $\Rightarrow 4 + x = 7$
 $\Rightarrow x = 3$ km/hr

40. (1) A \rightarrow \leftarrow B
 P \rightarrow \leftarrow Q
 Let speed of A and B is $2x$ km/h & $3x$ km/h respectively
 According to question,
 $3x \times 3 - 2x \times 2 = 50$
 $x = 10$
 \therefore Required sum = $10(2 + 3) = 50$ km/h

41. (2) Required average = $\frac{1}{5} \times (36 \times 500 + 42 \times 750 + 24 \times 350 + 22 \times 400 + 26 \times 600)$
 $= \frac{1}{5} \times 82,300 = 16,460$

42. (5) Total no. of voters from Bihar and Delhi of age group (20 - 25) years
 $= \frac{24}{100} \times 50000 + \frac{24}{100} \times 35000$
 Total no. of voters from UP and Rajasthan of age group (20 - 25) years
 $= \frac{30}{100} \times 75000 + \frac{28}{100} \times 40000 = 33700$
 \therefore Required percentage
 $= \frac{33700 - 19000}{33700} \times 100 \approx 44\%$

43. (3) Required answer = $(40 \times 500 + 28 \times 750 + 56 \times 350 + 50 \times 400 + 20 \times 600)$
 $= 92,600$

44. (4) Required ratio = $\frac{42 \times 750 + 22 \times 400}{24 \times 350 + 26 \times 600}$
 $= \frac{40300}{24000} = \frac{403}{240}$

45. (1) Required answer = $\frac{80}{100} \times (50000 + 75000 + 35000 + 40000 + 60000) = 2,08,000$

46. (3) I. $2x^2 + 19x + 45 = 0$
 $\Rightarrow 2x^2 + 10x + 9x + 45 = 0$
 $\Rightarrow (x + 5)(2x + 9) = 0$
 $\Rightarrow x = -5, -\frac{9}{2}$

II. $2y^2 + 11y + 12 = 0$
 $\Rightarrow 2y^2 + 8y + 3y + 12 = 0$
 $\Rightarrow (y + 4)(2y + 3) = 0$
 $\Rightarrow y = -4, -\frac{3}{2}$

$\Rightarrow x < y$

47. (3) I. $3x^2 - 13x + 12 = 0$
 $\Rightarrow 3x^2 - 9x + 4x + 12 = 0$
 $\Rightarrow (x - 3)(3x - 4) = 0$
 $\Rightarrow x = 3, \frac{4}{3}$

II. $2y^2 - 15y + 28 = 0$
 $\Rightarrow 2y^2 - 8y - 7y + 28 = 0$
 $\Rightarrow (y - 4)(2y - 7) = 0$
 $\Rightarrow y = 4, \frac{7}{2}$

$\Rightarrow x < y$

48. (3) I. $x^2 = 16$
 $\Rightarrow x = 4, -4$
 II. $2y^2 - 17y + 36 = 0$
 $\Rightarrow 2y^2 - 8y - 9y + 36 = 0$
 $\Rightarrow (y - 4)(2y - 9) = 0$

$\Rightarrow y = 4, \frac{9}{2}$
 $\Rightarrow x \leq y$

49. (3) I. $6x^2 + 19x + 15 = 0$
 $\Rightarrow 6x^2 + 9x + 10x + 15 = 0$
 $\Rightarrow (2x + 3)(3x + 5) = 0$
 $\Rightarrow x = -\frac{3}{2}, -\frac{5}{3}$

II. $3y^2 + 11y + 10 = 0$
 $\Rightarrow 3y^2 + 6y + 5y + 10 = 0$
 $\Rightarrow (y + 2)(3y + 5) = 0$
 $\Rightarrow y = -2, -\frac{5}{3}$

$\Rightarrow x \geq y$

50. (3) I. $2x^2 - 11x + 15 = 0$
 $\Rightarrow 2x^2 - 6x - 5x + 15 = 0$
 $\Rightarrow (x - 3)(2x - 5) = 0$

$$\Rightarrow x = 3, \frac{5}{2}$$

II. $2y^2 - 11y + 14 = 0$
 $\Rightarrow 2y^2 - 6y - 7y + 14 = 0$
 $\Rightarrow (y - 2)(2y - 7) = 0$

$$\Rightarrow y = 2, \frac{7}{2}$$

No relation between x and y

51. (2) The series is :

$$63 - 47 = 16$$

$$47 - 39 = 8$$

$$39 - 35 = 4$$

$$35 - 33 = 2$$

$$33 - 32 = 1$$

Hence, there should be 35 in place of 34.

52. (1) The series is :

$$5 + 3^3 + 1 = 33$$

$$33 + 4^3 + 2 = 99$$

$$99 + 5^3 + 3 = 227$$

$$227 + 6^3 + 4 = 447$$

$$447 + 7^3 + 5 = 795$$

Hence, there should be 795 in place of 797.

53. (3) The series is +339, +678 (339×2), +1356 (678×2), +2712 (1356×2),

Hence, there should be 5524 in place of 5624.

54. (5) The difference between numbers is $+(4^3 + 4)$, $+(5^3 + 5)$, $+(6^3 + 6)$, $+(7^3 + 7)$, $+(8^3 + 8)$
 1254 in place of 1250

55. (4) $65520 \div 7 = 9360$

$$9360 \div 6 = 1560$$

$$1560 \div 5 = 312$$

$$312 \div 4 = 78$$

$$78 \div 3 = 26$$

56. (4) Difference between distance travelled by C and F in percentage = $25 - 15 = 10\%$

$$\text{Distance travelled by car C} = \frac{160}{10} \times 25$$

$$= 400 \text{ km}$$

$$\text{Time taken by car C} = \frac{400}{80} = 5 \text{ hours}$$

$$\text{Time taken car D} = \frac{5}{20} \times 10 = 2.5 \text{ hours}$$

$$\text{Distance travelled by car D} = \frac{160}{10} \times 20$$

$$= 320 \text{ km}$$

$$\text{Speed of car D} = \frac{320}{2.5} = 128 \text{ kmph.}$$

57. (4) Distance travelled by Car D = $\frac{20}{100} \times 1800$

$$= 360 \text{ km}$$

Total time taken by all the cars

$$= \frac{2}{4} \times 100$$

= 50 hours (Difference between taken by car F and car E is given)

$$\text{Time Taken by car D} = \frac{10}{100} \times 50$$

$$= 5 \text{ hours}$$

$$\text{Speed of car D} = \frac{360}{5} = 72 \text{ kmph}$$

Distance travelled by car C = 450 km

$$\text{Time taken by car C} = \frac{20}{100} \times 50$$

$$= 10 \text{ hours}$$

$$\text{Speed of car E} = \frac{450}{10} = 45 \text{ kmph}$$

$$\text{Required percentage} = 72 - \frac{45}{45} \times 100$$

$$= 60\%$$

58. (4) Distance travelled by Car A = 320 km

$$\text{Time taken by car A} = \frac{320}{80} = 4 \text{ hours}$$

$$\text{Distance travelled by Car C} = \frac{25}{100} \times 1600$$

$$= 400 \text{ km}$$

$$\text{Time taken by car C} = \frac{4}{15} \times 20$$

$$= \frac{80}{15} \text{ hours}$$

$$\text{Speed of car C} = 400 / (80/15) = 75 \text{ kmph}$$

59. (4) Distance travelled by car B = $\frac{10}{100} \times 2000$

$$= 200 \text{ km}$$

$$\text{Distance travelled at 60 kmph} = \frac{3}{5} \times 200$$

$$= 120 \text{ km}$$

$$\text{Time taken} = \frac{120}{60} = 2 \text{ hours}$$

$$\text{Distance travelled at 40 kmph}$$

$$= 200 - 120 = 80 \text{ km}$$

$$\text{Time taken} = \frac{80}{20} = 4 \text{ hours}$$

$$\text{Total time taken} = 6 \text{ hours.}$$

60. (3) Let the distance travelled by all the cars = x km

$$\text{Distance travelled by car C} = \frac{25}{100} \times x$$

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

$$\text{Time taken car C} = \frac{20}{100} \times 40 = 8 \text{ hours}$$

$$\text{Speed of car C} = \frac{\left(\frac{x}{4}\right)}{8} = \frac{x}{32}$$

$$\text{Distance travelled by car A} = \frac{20}{100} \times x$$

$$= \frac{x}{5}$$

$$\text{Time taken by car A} = \frac{15}{100} \times 40 = 6 \text{ hours}$$

$$\text{Speed of car A} = \frac{\left(\frac{x}{5}\right)}{6} = \frac{x}{30}$$

Difference between speed of Car A and C

$$= \frac{5x}{30} - \frac{x}{32} = 5$$

$$16x - \frac{15x}{480} = 5$$

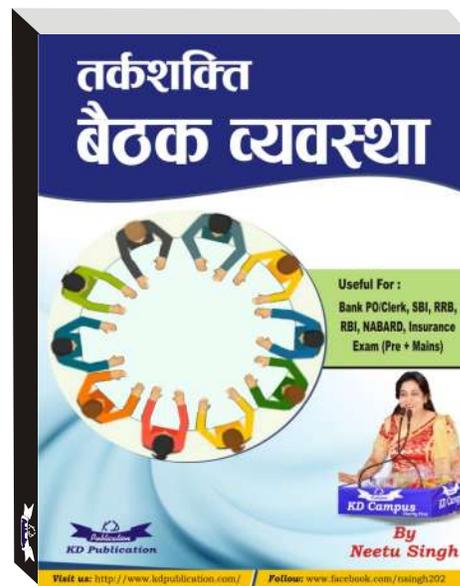
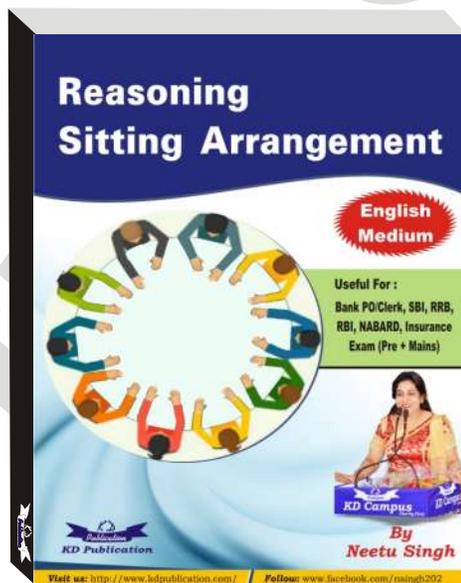
$$x = 2400 \text{ km}$$

So, distance travelled by car F

$$= \frac{15}{100} \times 2400 = 360 \text{ km}$$

- | | | |
|---------|---------|---------|
| 61. (4) | 62. (1) | 63. (4) |
| 64. (3) | 65. (5) | 66. (1) |
| 67. (5) | 68. (5) | 69. (1) |
| 70. (3) | | |

For all Bank PO/ Clerk Exams



VOCABULARIES

Words	Meaning in English	Meaning in Hindi
Disseminating	Spread or disperse (something, especially information) widely	प्रसार
Chiseled	(of wood or stone) shaped or cut with a chisel	तराशा हुआ
Taunt	A remark made in order to anger, wound, or provoke someone	उपहास
Barb	A sharp projection near the end of an arrow, fishhook, or similar item, angled away from the main point so as to make extraction difficult	कटिया
Sneer	A contemptuous or mocking smile, remark, or tone	उपहास
Hasten	Be quick to do something	जल्दी करना
Inattentive	Not paying attention to something	असावधान
Aggravate	Make (a problem, injury, or offense) worse or more serious	छेड़ना
Intensify	Become or make more intense	तेज
Extrovert	An outgoing, overtly expressive person	बहिर्मुखी
Culminated	Each a climax or point of highest development	समापन हुआ
Enormous	Very large in size, quantity, or extent	विशाल
Outrun	Run or travel faster or farther than	आगे बढ़ना
Optimal	Best or most favorable; optimum	सर्वोत्तम
Emphasizing	Give special importance or prominence to (something) in speaking or writing	बल देना

KD
Campus

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IBPS PO PHASE - I - 186 (ANSWER KEY)

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

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