

KD
Campus
KD Campus

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

IBPS PO PHASE - I - 106 (SOLUTION)

REASONING

(1-5) :

Floor	People	Body Spray	Salary
8	-	-	-
7	Chankya	Nike	6000
6	Govind	Nivea	2000
5	Farooq	Voyage	4000
4	-	-	-
3	Edward	Brut	3000
2	Amit	Wild stone	5000
1	Dhanush	Oldspice	8000

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

(6 - 10) :

Person	Year
Omvir	1969
Nitin	1972
Tinku	1978
Manoj	1981
Rakesh	1989
Queen	1997
Sunny	2000
Pawan	2005

6. (4) 7. (4) 8. (1)
9. (3) 10. (1) 11. (5)
12. (5) $D \geq E = G \geq W = Y \geq Z$
 $Z \leq D$ - Definetely true

(13-15) :

\$ → ≥
@ → >
→ <
\$ → =
* → ≤

13. (4) $B \geq N, B \geq O < Q < R$
I. $R < O \rightarrow$ false
II. $B > Q \rightarrow$ false
III. $O \leq B \rightarrow$ true
IV. $N < Q \rightarrow$ false
Only conclusion 'III' is true.

14. (2) $E > D \geq C < A \leq B$
I. $E \geq C \rightarrow$ true
II. $A \geq B \rightarrow$ false
III. $A > E \rightarrow$ false
IV. $A > E \rightarrow$ false

Only conclusion 'I' is true.

15. (1) $P \leq Q \geq R < S > T$
I. $T < R \rightarrow$ false
II. $Q > S \rightarrow$ false
III. $P < S \rightarrow$ false
IV. $Q > T \rightarrow$ false

None conclusion is true.

16. (4) In each statement we do not know that which month is going on right now, question cannot be answered.

17. (5) From statement I and II

Floor	Person
6	P
5	-
4	R
3	M
2	S
1	Parking Space

'S' lives on 2nd number floor.

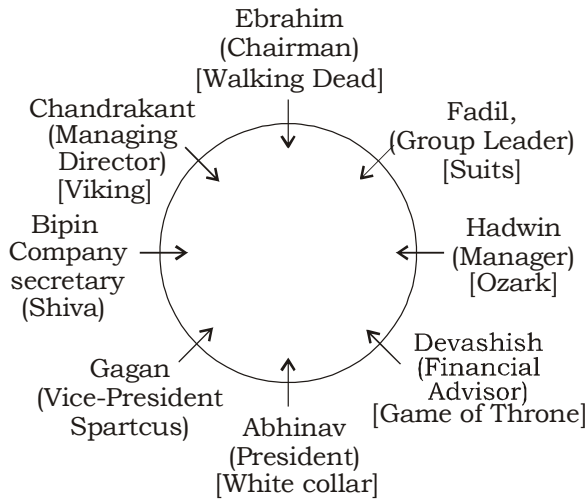
Both statement I and II are necessary to answer the question.

18. (4) **From I :** cannot be found from statement I because there is no mention of subham.
From II : cannot be found because we don't the direction of kavi or aditya.
Both statement I and II are not sufficient to answer the question.
19. (5) **From I :** P is at 3rd position from top and O & Q at 1st or 2nd position.
From II : $N > M$
So decending order : $O/Q > O/Q > D > B > A$
So A has secured less mark among all.
Both statement I and II are necessarily to answer the question.
20. (5) **From I :** all vowels are coded as next alphabets
From II : all consonants are code as previous alphabets.
So from both the statemnet I and II
PRODUCT → O Q P C V B S

KD Campus

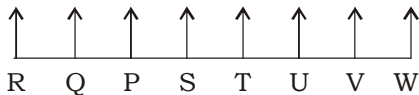
2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

(21-25) :



21. (1) 22. (5) 23. (4)
24. (4) 25. (4)

(26-28) : We assume that (↑) west



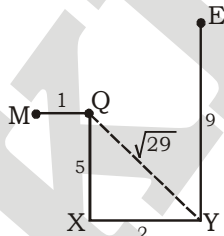
26. (3) 27. (5) 28. (1)

(29-33) :

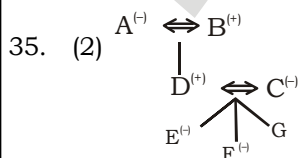
Locality	Person	Occupation	Religion
S	B	Lawyer	Sikh
S	D	Businessman (cloth merchant)	Hindu
P	C	Doctor	Christian
R	E	Engineer	Muslim
Q	A	Businessman (runs factory)	Hindu

29. (2) 30. (3) 31. (1)
32. (5) 33. (4)

34. (4)



$\sqrt{29}$ km - North West



MATHS

(36-40) :

36. (4) 34.95% of $499.99 - 20.24\%$ of $1599 + ? = 59.99$

$$\Rightarrow \frac{35}{100} \times 500 - \frac{20}{100} \times 1600 + ? \approx 60$$

$$\Rightarrow 175 - 320 + ? = 60$$

$$\Rightarrow ? = 320 + 60 - 175 = 205$$

37. (4) $7839.03 \div 6.99\%$ of $879.9 + 618.14 = ?$

$$\Rightarrow ? \approx 7839 \div \frac{7}{100} \times 880 + 618$$

$$= 7839 \times \frac{100}{880 \times 7} + 618$$

$$= 127.25 + 618 = 745.25 \approx 744$$

38. (5) $\sqrt{2499} \times \sqrt{730} \div \sqrt{899}$

$$\approx 50 \times 27 \div 30 = 45$$

39. (2) $\frac{1}{7} (6785.2 \div 9.999 \times 9.5 + 8967.89 \div 9)$

$$\approx \frac{1}{7} (6785 \div 10 \times 10 + 8968 \div 9)$$

$$= \frac{1}{7} (6785 + 996.44)$$

$$= \frac{1}{7} \times 7781.44 = 1111.63 \approx 1112$$

40. (5) $\sqrt[3]{5831} \times 39.86 + \sqrt{15129} + 22022.2 \div 11 = ?^2$

$$\Rightarrow ?^2 \approx 18 \times 40 + 123 + 22022 \div 11$$

$$\Rightarrow ?^2 = 720 + 123 + 2002$$

$$\Rightarrow ?^2 = 2845 = 53.33 \approx 53$$

(41-45) :

41. (3) Required time = $\frac{90}{18} = 5$ hrs.

42. (1) Required time = $\frac{160}{10} = 16$ hrs.

43. (2) Required average

$$= \frac{\frac{100}{5} + \frac{140}{7} + \frac{150}{3} + \frac{120}{12} + \frac{90}{18}}{5}$$

$$= \frac{20 + 20 + 50 + 10 + 5}{5} = \frac{105}{5} = 21 \text{ hrs.}$$

44. (4) Required average

$$= \frac{120 + 180}{2} = \frac{300}{2} = 150 \text{ km}$$

45. (2) Required difference

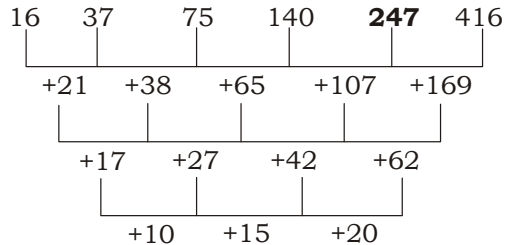
$$= \frac{160}{10} - \frac{90}{18} = 16 - 5 = 11 \text{ hrs.}$$

Campus
KD Campus

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

(46-50) :

46. (2) The number series is :



47. (1) The number series is :

$$1^3 + 7^2 = 50$$

$$2^3 + 6^2 = 44$$

$$3^3 + 5^2 = 52$$

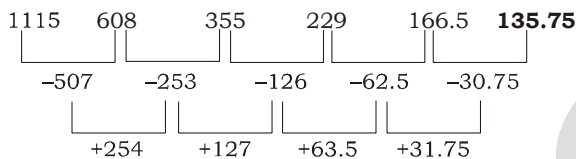
$$4^3 + 4^2 = 80$$

$$5^3 + 3^2 = 134$$

$$6^3 + 2^2 = 220$$

$$7^3 + 1^2 = \mathbf{344}$$

48. (4) The number series is :



49. (2) The number series is :

$$220 + (1)^3 = 219$$

$$219 + (2)^3 = 223$$

$$223 + (-3)^3 = 196$$

$$196 + (4)^3 = 212$$

$$212 + (-5)^3 = \mathbf{87}$$

50. (5) The number series is :

$$62 + 12 = 74$$

$$74 + (12 \times 2) = 98$$

$$98 + (12 \times 3) = 134$$

$$134 + (12 \times 4) = 182$$

$$182 + (12 \times 5) = \mathbf{242}$$

51. (2) Ramesh sells 56 litre milk and water mixture, where milk: water = 5 : 2.

∴ Amount of milk = 40 litre & water = 16 litre

He replaces 21 litre milk and water mixture.

Amount of milk removed = 15 litre & water removed = 6 litre.

New amount of milk = (40 - 15) = 25 litre

New amount of water = (16 - 6) = 10 litre

He adds milk, water and honey mixture in the ratio of 3 : 2 : 2 (21 litre).

Amount of milk added = 9 litre

Amount of water added = 6 litre

Amount of honey added = 6 litre

New amount of milk, water and honey are respectively 34 litre, 16 litre, 6 litre. It is poured in a container that contains some water honey mixture where water: honey = a : b.

Then we can say, the container initially contains ak litre & bk litre of water & honey respectively.

$$\text{So, } 34 : (16 + ak) : (6 + bk) = 17 : 9 : 4 = 34 : 18 : 8$$

$$\Rightarrow ak = 2 \text{ litre \& } bk = 2 \text{ litre}$$

$$\Rightarrow a : b = 1 : 1$$

52. (2) Ratio of share in profit = 3000 × 10 : 25000 × 10 : 12000 × 5

$$\text{Total amount} = \frac{61}{25} \times 15000 = ₹ 36600$$

$$\text{Share of Deepak in profit} = \frac{6}{61} \times 36600$$

$$= ₹ 3600$$

53. (2) Given, tank of capacity 60 litres has two inlets and one outlet.

Let the flow rate of inlet be 'a' litres/min and flow rate of outlet be 'b' litres/min. Now, when all the three are opened together, it takes 8 min to fill the cistern.

$$\Rightarrow 8(2a - b) = 60$$

$$\Rightarrow 2a - b = \frac{15}{2} \quad \dots\dots\dots(i)$$

Given, if the outlet flow rate is increased 1.5 times, the tank is never filled.

Thus, the flow rate of outlet becomes greater than the inlet.

$$\Rightarrow 1.5b \geq 2a$$

$$\Rightarrow b \geq \frac{4a}{3}$$

$$\text{Thus, minimum } b = \frac{4a}{3}$$

Substituting in equation (i)

$$\Rightarrow 2a - \frac{4a}{3} = \frac{15}{2}$$

$$\Rightarrow \frac{2a}{3} = \frac{15}{2}$$

$$\Rightarrow a = \frac{45}{4} \text{ litres/min}$$

$$= 4 \times \frac{45}{12} = 15 \text{ litres/min}$$

Thus, $b = \frac{4a}{3}$

54. (1) Given, truck travels at a certain speed when no weight is loaded. When some loading is done its speed reduces. The reduction in the speed is directly proportional to the square root of the quintals of load loaded.

Let the speed of truck without loads be 'a' km/hr

Let the proportionality constant be 'b' km/hr.

Now, truck travels at 70 km/hr with 25 quintals of load and at 45 km/hr with 36 quintals of load.

Thus, $a - b\sqrt{25} = 70$ and $a - b\sqrt{36} = 45$

$\Rightarrow a - 5b = 70$ and $a - 6b = 45$

Solving these two equations we get,
 $b = 25$ and $a = 195$

Thus, the equation of speed = $195 - 25\sqrt{w}$, where w is weight in quintals.

Now, given minimum speed at which it can travel is 20 km/hr.

Thus, $195 - 25\sqrt{w} \geq 20$

$\Rightarrow 25\sqrt{w} \leq 175$

$\Rightarrow \sqrt{w} \leq 7$

$\Rightarrow w \leq 49$

Thus, maximum weight it can carry is 49 quintals = 4900 kgs

55. (2) Required time = $\frac{1200}{(24+36) \times \frac{5}{18}}$

$= \frac{1200 \times 18}{60 \times 5} = 72$ sec

(56-60):

56. (2) Required total

$= 1250 \times \frac{36}{100} + 2050 \times \frac{30}{100} + 1800 \times$

$\frac{42}{100} = 450 + 615 + 756 = 1821$

57. (2) No. of PO in Bank P

$= 1250 \times \frac{30}{100} = 375$

No. of PO in Bank T

$= 1620 \times \frac{20}{100} = 324$

\therefore Required %

$= \left(\frac{375}{324} \times 100 \right) \% = 115.74\% \approx 116\%$

58. (5) Required ratio = 50 : 30 = 5 : 3

59. (4) Required average

$= \frac{1250 + 2050 + 1800 + 1150 + 1620}{5}$

$= \frac{7870}{5} = 1574$

60. (1) Required difference

$= 1150 \times \left(\frac{38 - 26}{100} \right)$

$= 1150 \times \frac{12}{100} = 138$

(61-62):

61. (3) Let us assume there are m blue balls and n red balls.

Probability of picking out 1 blue ball is

$\Rightarrow \frac{m}{(6+m+n)} = \frac{1}{5} \Rightarrow 5m = 6 + m + n$

$\Rightarrow 4m = 6 + n$

Similarly probability of picking out 1 red ball is

$\left(\frac{n}{(6-m-n)} \right) = \frac{1}{2}$

$2n = 6 + m + n$

$\Rightarrow 4m = 6 + (6 + m)$

$\Rightarrow 4m = 12 - m$

$\Rightarrow 3m = 12$

and

$n = 6 + m \Rightarrow n = 10$

$\frac{{}^5C_1}{{}^{20}C_1} = \frac{5}{20} = \frac{1}{4}$

62. (2) Let us assume there are m blue balls and n red balls.

Probability of picking out 1 blue ball is

$\frac{m}{(6+m+n)} = \frac{1}{5} = 6 + m + n$

$\Rightarrow 4m = 6 + n$

Similarly probability of picking out 1 red ball is

$\left(\frac{n}{(6-m-n)} \right) = \frac{1}{2}$

$= 2n = 6 + m + n$

$$\Rightarrow 4m = 6 + (6 + m)$$

$$\Rightarrow 4m = 12 - m$$

$$\Rightarrow 3m = 12$$

$$\Rightarrow m = 4$$

and

$$n = 6 + m \Rightarrow n = 10$$

$$\frac{{}^4C_1 \times {}^5C_1}{{}^{20}C_2} = \frac{4 \times 5}{190} = \frac{2}{19}$$

63. (3) Efficiency A : B = 1 : 2 = x : 2x

Let total unit = 15x

Since work completed in 11 days which means

A continued for 11 days and B joined him in Middle

$\therefore 11x + B(2x) = 15x$ (where B is the no. of days for which B worked)

$$B = 2 \text{ days}$$

64. (1) Area of Park = $60 \times 40 = 2400 \text{ m}^2$

Let Breadth of the roads running inside the park is x.

ATQ,

$$(60 + 40)x - x^2 = 2400 - 2109$$

$$\Rightarrow x = 3 \text{ m}$$

65. (4) Let the number of passengers travelling by Ist Class and IInd Class be x and 50x respectively.

Then amount collected from Ist Class and IInd Class will be ₹ 3x and ₹ 50x respectively.

$$\text{Given, } 3x + 50x = 1325$$

$$\Rightarrow 53x = 1325 \Rightarrow x = 25$$

\therefore Amount collected from IInd Class

$$= 50 \times 25 = ₹ 1250$$

(66-70) :

66. (2) I. $a - 8\sqrt{a} + 15 = 0$

$$\Rightarrow a - 5\sqrt{a} - 3\sqrt{a} + 15 = 0$$

$$\Rightarrow \sqrt{a}(\sqrt{a} - 5) - 3(\sqrt{a} - 5) = 0$$

$$\Rightarrow (\sqrt{a} - 3)(\sqrt{a} - 5) = 0 \Rightarrow a = 9, 25$$

II. $2b^2 + 7b + 225 = 0$

$$\Rightarrow 2b^2 - 18b + 25b - 225 = 0$$

$$\Rightarrow 2b(b - 9) + 25(b - 9) = 0$$

$$\Rightarrow (2b + 25)(b - 9) = 0 \Rightarrow b = -\frac{25}{2}, 9$$

Clearly, $a \geq b$

67. (1) I. $3a^2 + 5a - 28 = 0$

$$\Rightarrow 3a^2 + 12a - 7a - 28 = 0$$

$$\Rightarrow 3a(a + 4) - 7(a + 4) = 0$$

$$\Rightarrow (3a - 7)(a + 4) = 0 \Rightarrow a = \frac{7}{3}, -4$$

II. $2b^2 + 23b + 63 = 0$

$$\Rightarrow 2b^2 + 14b + 9b + 63 = 0$$

$$\Rightarrow 2b(b + 7) + 9(b + 7) = 0$$

$$\Rightarrow (2b + 9)(b + 7) = 0 \Rightarrow b = -\frac{9}{2}, -7$$

Clearly, $a > b$

68. (1) I. $2a + 9b = 15$ (i)

$a + 3b = 9$ (ii)

Equation (i) - Equation (ii) $\times 2$, we get

$$2a + 9b - 2a - 6b = 15 - 18$$

$$\Rightarrow 3b = -3 \Rightarrow b = -1$$

Put the value of b in equation (ii),

$$a + 3 \times (-1) = 9$$

$$\Rightarrow a = 9 + 3 = 12$$

Clearly, $a > b$

69. (3) I. $a^2 + 10a - 11 = 0$

$$\Rightarrow a + 11a - a - 11 = 0$$

$$\Rightarrow a(a + 11) - 1(a + 11) = 0$$

$$\Rightarrow (a - 1)(a + 11) = 0$$

$$\Rightarrow a = 1, -11$$

II. $2b^2 - 7b + 6 = 0$

$$\Rightarrow 2b^2 - 4b - 3b + 6 = 0$$

$$\Rightarrow 2b(b - 2) - 3(b - 2) = 0$$

$$\Rightarrow (2b - 3)(b - 2) = 0 \Rightarrow b = \frac{3}{2}, 2$$

Clearly, $a < b$

70. (5) I. $60a^2 - 326a - 22 = 0$

$$\Rightarrow 30a^2 - 163a - 11 = 0$$

$$\Rightarrow 30a^2 + 2a - 165a - 11 = 0$$

$$\Rightarrow 2a(15a + 1) - 11(15a + 1) = 0$$

$$\Rightarrow (2a - 11)(15a + 1) = 0$$

$$\Rightarrow a = \frac{11}{2}, -\frac{1}{15}$$

II. $36b^2 - 196b - 11 = 0$

$$\Rightarrow 36b^2 + 2b - 198b - 11 = 0$$

$$\Rightarrow 2b(18b + 1) - 11(18b + 1) = 0$$

$$\Rightarrow (2b - 11)(15b + 1) = 0$$

$$\Rightarrow b = \frac{11}{2}, -\frac{1}{18}$$

ENGLISH LANGUAGE

81. (3) 'will be going' replace with 'went'.

82. (2) 'as like' replace with 'like'.

83. (5) 'No error'.

84. (4) 'to be performed' (passive) replace with 'to perform' (active).

85. (1) 'to make' replace with 'makes'.

VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Confront	face up and deal with something	सामना करना
Compassionate	kind and sympathetic	सहानुभूति से भरा
Humane	kind and caring	दयालु
Impolite	rude and rough	उद्दंड
Inconsiderate	Selfish and uncaring	स्वार्थी एवं दूसरे का ध्यान नहीं रखने वाला
Malevolent	having intention to cause harm	हानिकारक
Rustic	rural and uncultured	गंवार, असभ्य
Starving	suffer severely or die from hungers	भूख से मरना
Traitor	one who deceives his country	देशद्रोही
Enlightened	wise, knowledgeable	ज्ञानी
Obsolete	No longer produced or used or outdated	पुराना
Affluent	Prosperous	समृद्ध
Egalitarian	treating everyone equally	सबको समान मानने वाला
Duty-bound	honest to one's duty	कर्तव्य का पालन करने वाला
Zeal	great energy or enthusiam in pursuit of a cause or an object	उत्साह
Deprived	deny the possession or use of something	वंचित

KD
Campus
KD Campus

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

IBPS PO PHASE - I - 106 (ANSWER KEY)

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