

**IBPS PO PHASE - I - 366 (SOLUTION)**

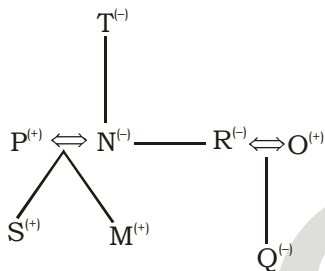
**REASONING**

(1-5) :

Floor	Teacher	Subject
9	X	Accounts
8	W	Science
7	S	Reasoning
6	Q	Maths
5	V	Geography
4	P	Hindi
3	U	Computer
2	T	History
1	R	English

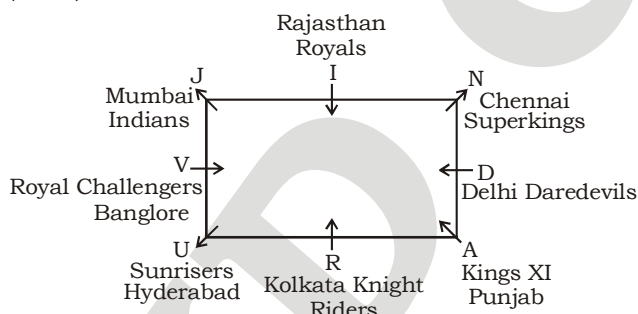
1. (1)                      2. (2)                      3. (5)  
4. (5)                      5. (3)

(6-8):



6. (1)                      7. (2)                      8. (1)

(9-13):



9. (5)                      10. (3)                      11. (5)  
12. (2)                      13. (2)

(14-18) :

14. (4)  $D \geq I > F > N = R > U$   
I.  $F > U \rightarrow$  True  
II.  $D > R \rightarrow$  True  
III.  $N \geq I \rightarrow$  False  
IV.  $U < D \rightarrow$  True  
Only I, II and IV are true
15. (5)  $M > S \leq P \leq K > C = D \geq J$   
I.  $C \geq P \rightarrow$  False  
II.  $M > J \rightarrow$  False

- III.  $S \leq D \rightarrow$  False  
IV.  $P > J \rightarrow$  False

- None is true
16. (3)  $S \leq T = U < P \leq X = W$   
I.  $W > S \rightarrow$  True  
II.  $P \leq V \rightarrow$  False  
III.  $X > T \rightarrow$  True  
IV.  $U \leq W \rightarrow$  False  
Only I and III are true
17. (1)  $B \leq C = E \leq F \geq G < M = J$   
I.  $G \geq C \rightarrow$  False  
II.  $F \geq B \rightarrow$  True  
III.  $E < M \rightarrow$  False  
IV.  $J > C \rightarrow$  False  
Only II is true

18. (2)  $Q > N \geq M \geq K \geq B > E \geq C = F$   
I.  $N > C \rightarrow$  True  
II.  $M \geq B \rightarrow$  True  
III.  $F < Q \rightarrow$  True  
IV.  $C < K \rightarrow$  True  
All are true

(11-15):

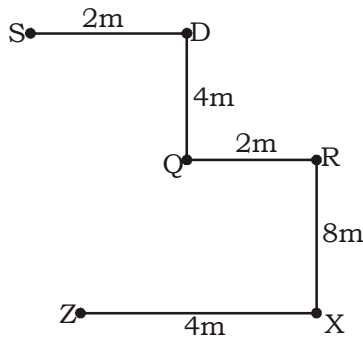
Person	Day	Country
Nayan	Monday	Japan
Kartik	Thursday	America
Tarun	Wednesday	China
Bhuvan	Friday	Italy
Manjesh	Saturday	India
Wasim	Sunday	Russia
Rahul	Tuesday	Spain

19. (5)                      20. (4)                      21. (3)  
22. (1)                      23. (2)

(24-28) :

- committee **to** analysis exams es **fr** re **pt**  
analysis gathering **in** evening **ch** ba **mo** **fr**  
gathering **to** nominate persons **re** dv **ch** **gi**  
nominate chairman **in** analysis **mo** **gi** **fr** **yu**  
to  $\rightarrow$  re                      gathering  $\rightarrow$  ch  
nominate  $\rightarrow$  gi                      analysis  $\rightarrow$  fr  
in  $\rightarrow$  mo                      person  $\rightarrow$  dv  
chairman  $\rightarrow$  yu                      evening  $\rightarrow$  ba
24. (4)                      25. (2)                      26. (3)  
27. (5)                      28. (2)

(29-30):



29. (3)      30. (2)

(31-35):

Person	Day	Hill Station
L	Saturday	Shimla
M	Saturday	Nainital
N	Wednesday	Ooty
O	Friday	Manali
P	Friday	Darjeeling
Q	Sunday	Gangtok
R	Sunday	Lonavla

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

**Maths**

(36-40) :

36. (2)  $\frac{2914.01}{31.1} \times \frac{1.99}{3.01} \times \frac{510.01}{169.99} = ?$   
 $\Rightarrow ? \approx \frac{2914}{31} \times \frac{2}{3} \times \frac{510}{170} = 188 \approx 186$
37. (3)  $\frac{1787.44}{34.88} \times 48.79 + 1.06 = ?$   
 $\Rightarrow ? \approx \frac{1787}{35} \times 49 + 1$   
 $= 2501.8 + 1 = 2502.8 \approx 2500$
38. (1)  $\sqrt{\sqrt{44950} + \sqrt{?}} = 16$   
 $\Rightarrow \sqrt{44950} + \sqrt{?} = (16)^2$   
 $\Rightarrow 256 \approx 212 + \sqrt{?}$   
 $\Rightarrow \sqrt{?} = 256 - 212$   
 $\Rightarrow ? = (44)^2 = 1936 \approx 1940$
39. (4)  $\sqrt{4360} - \sqrt{680} + 46.02 = ?$   
 $\Rightarrow ? \approx 66 - 26 + 46$   
 $= 86$
40. (3)  $42.33 + 66.83 + 59.98 - 112.01 = ?$   
 $\Rightarrow ? = 57.13 \approx 57$

(41-45) :

41. (1) Required total  
 $= \frac{72000}{360} \times \left( 90 \times \frac{3}{5} + 75 \times \frac{3}{4} + 63 \times \frac{4}{7} \right)$   
 $= 200 \times (54 + 56.25 + 36)$   
 $= 200 \times 146.25 = 29,250$   
 $\therefore$  Required average  $= \frac{29250}{3} = 9,750$
42. (3) Female students from Bihar  
 $= 72000 \times \frac{60}{360} \times \frac{1}{3} = 4,000$   
 Male students from Punjab  
 $= 72000 \times \frac{72}{360} \times \frac{5}{8} = 9,000$   
 $\therefore$  Required more%  $= \left( \frac{9000 - 4000}{9000} \times 100 \right) \%$   
 $= 55.55\% \approx 56\%$  less
43. (5) Number of students from Delhi  
 $= 72000 \times \frac{75}{360} \times \frac{90}{100} = 13,500$   
 Number of students from Assam  
 $= 72000 \times \frac{63}{360} \times \frac{110}{100} = 13,860$   
 $\therefore$  Required less%  $= \left( \frac{13860 - 13500}{13860} \times 100 \right) \%$   
 $= 2.59\%$
44. (2)
45. (3) Required total number of students  
 $= \frac{72000}{360} \times (90^\circ + 60^\circ + 72^\circ)$   
 $= 200 \times 222 = 44,400$
- (46-50):
46. (3) The number series is as follows:  
 $6 \times 5 + 9 = 39$   
 $39 \times 5 + 18 = 213$   
 $213 \times 5 + 27 = 1092 \neq 1090$   
 $1092 \times 5 + 36 = 5496$   
 $5496 \times 5 + 45 = 27525$
47. (1) The number series is as follows:  
 $17 + 5^3 = 142 \neq 141$   
 $142 + 6^3 = 358$   
 $358 + 7^3 = 701$   
 $751 + 8^3 = 1213$   
 $1213 + 9^3 = 1942$
48. (4) The number series is as follows:  
 $6 \times 3 - 4 = 14$   
 $14 \times 4 - 5 = 51$   
 $51 \times 5 - 6 = 249$   
 $249 \times 6 - 7 = 1487 \neq 1486$   
 $1487 \times 7 - 8 = 10401$

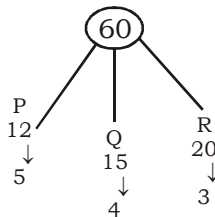
49. (5) The number series is as follows:

$$\begin{aligned} 8 + 4^2 - 24 \\ 24 + 8^2 = 88 \\ 88 + 12^2 = 232 \\ 232 + 16^2 = 488 \\ 488 + 20^2 = 888 \neq 887 \end{aligned}$$

50. (1) The number series is as follows:

$$\begin{aligned} 8 \times 3 - 2 = 22 \neq 21 \\ 22 \times 4 - 3 = 85 \\ 85 \times 5 - 4 = 421 \\ 421 \times 6 - 5 = 2521 \\ 2521 \times 7 - 6 = 17641 \end{aligned}$$

51. (2)



In first hour, part of the tank filled by  $5 + 4 = 9$  litres  
In second hour, part of the tank filled by  $5 + 3 = 8$  litres

$$\begin{aligned} \therefore \text{Required time} &= \frac{51 \times 2}{17} + \frac{9}{9} \\ &= 6 + 1 = 7 \text{ hours} \end{aligned}$$

52. (5)  $P = \frac{6500 \times 10 \times 13}{100} = ₹ 8,450$

$$\begin{aligned} \therefore \text{CI} &= 8450 \times \frac{110}{100} \times \frac{110}{100} - 8450 \\ &= 10224.50 - 8450 \\ &= ₹ 1,774.50 \end{aligned}$$

53. (1) Let the mixture contains 10 litres of liquid. Let  $x$  litres of mixture replaced with water.

Quantity of water in new mixture

$$= \left(1 - \frac{x}{10} + x\right) \text{ litres}$$

Quantity of milk in new mixture

$$= \left(1 - \frac{x}{10} + x\right) = \left(9 - \frac{9x}{10}\right)$$

$$\Rightarrow \frac{9x}{5} = 8 \Rightarrow x = \frac{40}{9}$$

$$\therefore \text{Required part} = \frac{40}{9} = \frac{4}{9} \text{ th}$$

54. (2) Ratio of their efficiency

$$\begin{aligned} &= A : B : C = \frac{1}{12} : \frac{1}{15} : \frac{1}{24} \\ &= 10 : 8 : 5 \end{aligned}$$

$$\begin{aligned} \therefore \text{Required number of pages} &= \frac{506}{23} \times 8 \\ &= 176 \end{aligned}$$

$$55. (1) \frac{4^3 + 25}{11} = \frac{89}{11}$$

$$\therefore \text{Remainder} = 1$$

(56-60) :

56. (4) Expenditure of company P in the year

$$2001 = \frac{510}{120} \times 100 = ₹ 425 \text{ lakh}$$

$\therefore$  Required less%

$$= \left(\frac{490 - 425}{490} \times 100\right) \%$$

$$= 13.26\% \approx 13\% \text{ less}$$

57. (1) Expenditure of company Q in the year 2004 =  $490 - 10 = ₹ 480$  lakh

Required profit %

$$= \left(\frac{590 - 480}{480} \times 100\right) \%$$

$$= 22.91\% \approx 23\%$$

58. (1) Total incomes of company P and Q together in the year 2003

$$= 370 \times \frac{116}{100} + 380 \times \frac{117}{100}$$

$$= 429.20 + 444.60$$

$$= ₹ 873.80 \text{ lakh}$$

$$\therefore \text{Required average} = \frac{873.80}{2}$$

$$= ₹ 436.9 \text{ lakh}$$

59. (5) Expenditure of company P in the year 2005 =  $515 - 30 = ₹ 485$  lakh

$$\therefore \text{Required \%} = \left(\frac{485}{515} \times 100\right) \%$$

$$= 94.17\% \approx 94\%$$

60. (2) Profit of company P in the year 2004 =  $580 - 490 = ₹ 90$  lakh

$$\therefore \text{Required \%} = \left(\frac{550 - 90}{90} \times 100\right) \%$$

$$= 511.11\% \approx 511\%$$

61. (4)  $SP = 2160 \times \frac{125}{100} = ₹ 2,700$

$$\therefore MP = \frac{2700}{90} \times 100 = ₹ 3000$$

62. (3) Let the present age of P and Q are  $3x$  and  $5x$  respectively.

ATQ,

$$\frac{3x + 6}{5x + 6} = \frac{2}{3}$$

$$\Rightarrow 9x + 18 = 10x + 12$$

$$\Rightarrow x = 6$$

$$\therefore \text{Present age of Q} = 6 \times 5 = 30 \text{ years}$$

63. (1) Upstream speed =  $\frac{36}{4} = 9$  km/hr

$$\text{Speed of stream} = 12 - 9 = 3 \text{ km/hr}$$

64. (4) Ratio of their profit  
 $= 15000 \times 12 : (12000 \times 6 + 15000 \times 6)$   
 $: (18000 \times 6 + 12000 \times 6)$   
 $= 180000 : 162000 : 180000$   
 $= 10 : 9 : 10$

$\therefore$  Share of Bhuvan  $= \frac{6670}{29} \times 9 = ₹ 2,070$

65. (3) Water  $= \frac{68}{17} \times 11 = 44$  litres

Wine  $= 68 - 44 = 24$  litres

ATQ,  $\frac{44}{24+x} = \frac{4}{3}$

$\Rightarrow 96 + 4x = 132$

$\Rightarrow 4x = 132 - 96$

$\Rightarrow x = \frac{36}{4} = 9$  litres

66. (5) I.  $x^2 - x - 12 = 0$

$\Rightarrow x^2 - 4x + 3x - 12 = 0$

$\Rightarrow x(x-4) + 3(x-4) = 0$

$\Rightarrow x = -3, 4$

II.  $y^2 + 5y + 6 = 0$

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

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

$\Rightarrow y = -3, -2$

67. (1) I.  $x^2 - 8x + 15 = 0$

$\Rightarrow x^2 - 5x - 3x + 15 = 0$

$\Rightarrow x(x-5) - 3(x-5) = 0$

$\Rightarrow x = 5, 3$

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

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

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

$\Rightarrow y = 2, 1$

Clearly,  $x > y$

68. (3) I.  $x^2 - 32 = 112$

$\Rightarrow x^2 = 112 + 32 = 144$

$\Rightarrow x = +12, -12$

II.  $y - \sqrt{169} = 0$

$\Rightarrow y = \sqrt{169}$

$\Rightarrow y = 13$

Clearly,  $x < y$

69. (2) I.  $x - \sqrt{121} = 0$

$\Rightarrow x = \sqrt{121}$

$\Rightarrow x = 11$

II.  $y^2 - 121 = 0$

$\Rightarrow y^2 = 121$

$\Rightarrow y = +11, -11$

Clearly,  $x \geq y$

70. (1) I.  $2x^2 + 5x + 3 = 0$

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

$\Rightarrow 2x(x+1) + 3(x+1) = 0$

$\Rightarrow x = -\frac{3}{2}, -1$

II.  $8y^3 + 27 = 0$

$\Rightarrow 8y^3 = -27$

$\Rightarrow y^3 = -\frac{27}{8}$

$\Rightarrow y = \sqrt[3]{-\frac{27}{8}}$

$\Rightarrow y = -\frac{3}{2}$

Clearly,  $x \geq y$

### ENGLISH LANGUAGE

#### (81-90):

81. (2) Insert 'is' before 'alleged'.
82. (4) Change 'undergoes' with 'undergo'.
83. (2) Change 'force' with 'forced'.
84. (1) Change 'this' with 'these'.
85. (5) No error.
86. (3) Change 'enjoyed' with 'enjoy'.
87. (1) Change 'on' with 'in'.
88. (4) Change 'bringing' with 'bring'.
89. (4) Change 'for' with 'to'.
90. (3) Insert 'been' after 'have'.

**VOCABULARIES**

<b>Word</b>	<b>Meaning in English</b>	<b>Meaning in Hindi</b>
Abated	(of something perceived as hostile, threatening, or negative) become less intense or widespread	कम करना
Buoyed	keep (someone or something) afloat	सीमित
Deluge	a severe flood	बाढ़
Destruction	the action or process of causing so much damage to something that it no longer exists or cannot be repaired	विनाश
Dodged	avoid (someone or something) by a sudden quick movement	टाल
Doom	death, destruction, or some other terrible fate	कयामत
Exuberance	the quality of being full of energy, excitement, and cheerfulness; ebullience	अधिकता
Imitated	take or follow as a model	नकल
Incipient	in an initial stage; beginning to happen or develop	उत्पन्न होनेवाला
Indistinct	not clear or sharply defined	अस्पष्ट
Insist	demand something forcefully, not accepting refusal	आग्रह करना
Ledger	a book or other collection of financial accounts of a particular type	बही खाता
Naïve	(of a person or action) showing a lack of experience, wisdom, or judgment	अनुभवहीन
Nascent	(especially of a process or organization) just coming into existence and beginning to display signs of future potential	नवजात
Patronage	the support given by a patron	संरक्षण
Saturated	holding as much water or moisture as can be absorbed; thoroughly soaked	तर-बतर
Stifled	make (someone) unable to breathe properly; suffocate	दबाया
Stimulus	a thing or event that evokes a specific functional reaction in an organ or tissue	प्रोत्साहन
Striving	make great efforts to achieve or obtain something	प्रयास
Tumbled	(typically of a person) fall suddenly, clumsily, or headlong	गिरावट

KD  
Campus

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

### IBPS PO PHASE - I - 366 (ANSWER KEY)

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