

**IBPS RRB OFFICE ASSISTANT PHASE - I  
(SOLUTION) - 158**

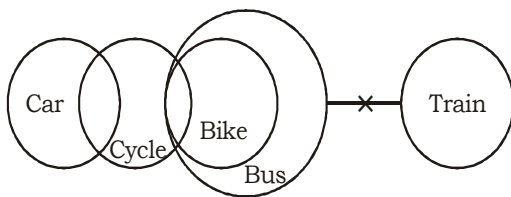
**REASONING**

**(1-5):**

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

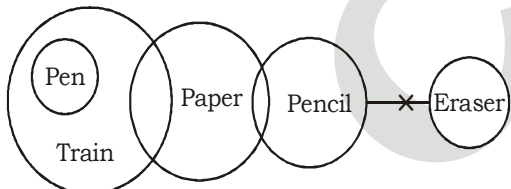
**(6-8):**

6. (4)



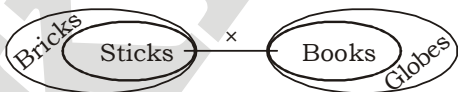
- I. No train is bike → True  
 II. Some cycle is bus → True  
 III. Some train is car ] either or  
 IV. No train is car ]  
 Only conclusion I, II and either conclusion III or IV follow

7. (2)



- I. No eraser is paper ←  
 II. Some paper is pen → false  
 III. Some eraser is pen → false ] either or  
 IV. Some eraser are paper ←  
 Only either conclusion I or IV follows.

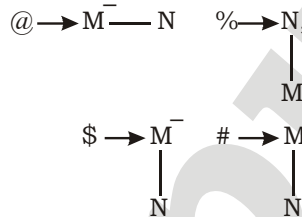
8. (5) **Statement :**



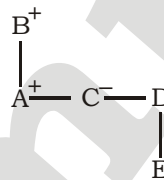
**Conclusions :**

- I. - ] either I or II follows  
 II. - ]  
 III. ×  
 IV. ×

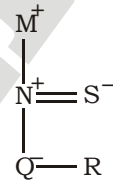
**(9 - 11) :**



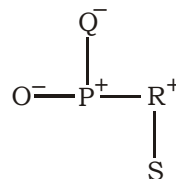
9. (3)



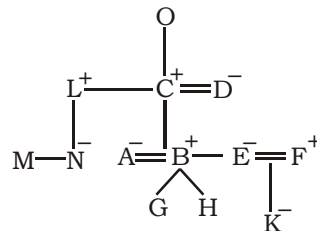
10. (3)



11. (4)



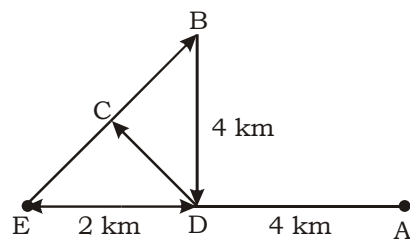
**(12-15) :**



12. (5)      13. (2)      14. (5)

15. (5)

**(16-17) :**



16. (4)      17. (4)

(18-21) :

Friends	Vegetable	Month
Puja	Drumstick	June
Queen	Cabbage	March
Reena	pumpkin	June
Shreya	Tomato	December
Tina	Potato	June
Uma	Carrot	December
Vibha	Cauliflowers	December
Winnie	Brinjal	March

18. (5)                      19. (5)                      20. (3)

21. (5)

(22-25) :

22. (3) Combining all these statements,

$$P = Q \geq I$$

I.  $I = P \rightarrow$  Doubt

II.  $P > I \rightarrow$  Doubt

Either conclusion I or II follows

23. (4) Combining all these statements,

$$L \geq A \leq B > D$$

I.  $B > L \rightarrow$  False

II.  $D \geq L \rightarrow$  False

Neither conclusion I nor II follows

24. (2) Combining all these statements,

$$V = X > U < U$$

I.  $U > V \rightarrow$  False

II.  $V > Y \rightarrow$  True

Only Conclusion II follows

25. (5) Combining all these statements,

$$L \leq K < R = S$$

I.  $S > L \rightarrow$  True

II.  $K < S \rightarrow$  True

Both conclusion I and II follow

(26-30) :

Floor	Person
7	V
6	H
5	T
4	F
3	U
2	E
1	G

26. (2)                      27. (3)                      28. (4)

29. (4)                      30. (3)

(31-35) :

economy and wealth balance → gh mk ru st  
wealth of nations depleting → tl zm ak gh  
taxes balance nations better → dj ru zm pn  
better to revive economy → br ht dj st

31. (2)                      32. (3)                      33. (1)

34. (3)                      35. (1)

(36-40) :

Day	People	Game
Monday	D	Valleyball
Tuesday	A	Football
Wednesday	G	Cricket
Thursday	B	Kho-Kho
Friday	F	Hockey
Saturday	C	Tennis
Sunday	E	Squash

36. (4)                      37. (1)                      38. (5)

39. (4)                      40. (1)

### Maths

(41-45) :

41. (3)  $4655.03 \div 315.98 + 4568.12 \div 181.89 = ?$

$$\approx 4655 \div 316 + 4568 \div 182$$

$$\approx 14.73 + 25.09 = 39.82 \approx 40$$

42. (1)  $99.98 \times 849.99 \div 213.04 = (?)^2$

$$\Rightarrow (?)^2 \approx 100 \times 850 \div 213$$

$$\Rightarrow (?)^2 \approx 400$$

$$\therefore ? = 20$$

43. (3)  $\sqrt{575.985} + (5.899)^2 = ? \div \frac{10}{4.986}$

$$\Rightarrow ? \times \frac{5}{10} \approx \sqrt{576} + (6)^2$$

$$= ? \times \frac{1}{2} = 24 + 36$$

$$= ? = 60 \times 2 = 120$$

44. (4)  $(2432 + 1587 + 1415) \div 1378 = ?$

$$= 5434 \div 1378$$

$$= 3.94 \approx 4$$

45. (5)  $(17.93 \times 33.489 - 28.749 \times 3.04) \div$

$$\frac{\sqrt{1295} \times \sqrt{2210} + \sqrt{440}}{\sqrt{35.56} + \sqrt{50.23}} = ?$$

$$\Rightarrow ? \approx (18 \times 33 - 29 \times 3) \div \frac{36+47+41}{6+7}$$

$$\Rightarrow ? = (594 - 87) \div \frac{124}{13}$$

$$\Rightarrow ? = 507 \times \frac{13}{124} = 53.15 \approx 53$$

**(46-50) :**

46. (3) Required average

$$= \frac{(660 - 380) + (740 - 480) + (620 - 440)}{3}$$

$$= \frac{280 + 260 + 180}{3}$$

$$= \frac{720}{3} = ₹ 240 \text{ thousand}$$

47. (1) Total loss in March and April

$$= (640 + 560) - (380 + 340)$$

$$= ₹ 480 \text{ thousand}$$

$$\therefore \text{Required loss\%} = \left( \frac{480}{1200} \times 100 \right) \% = 40\%$$

48. (5) Profit earned in February

$$= 740 - 480 = 260 \text{ thousand}$$

$$\text{Profit earned in may} = 620 - 440$$

$$= 180 + \text{thousand}$$

$$= \text{Required\%} = \left( \frac{260 - 180}{180} \times 100 \right) \%$$

$$= 44 \frac{4}{9} \%$$

49. (1) Profit earned in

$$\text{January} = 660 - 380 = ₹ 280 \text{ thousand}$$

$$\text{February} = 740 - 480 = ₹ 260 \text{ thousand}$$

$$\text{March} = 620 - 440 = ₹ 180 \text{ thousand}$$

$\therefore$  Required answer is January.

50. (2) Income earned in July =  $520 \times \frac{120}{100}$

$$= ₹ 624 \text{ thousand}$$

$$\text{Expenditure in July} = 400 \times \frac{90}{100}$$

$$= ₹ 360 \text{ thousand}$$

$$\therefore \text{profit\%} = \left( \frac{624 - 360}{360} \times 100 \right) \% = 73 \frac{1}{3} \%$$

**(51-55) :**

51. (3) The number series is:

$$2 \times 7 = 14$$

$$14 \times 6 = 84$$

$$84 \times 5 = 420$$

$$420 \times 4 = 1680$$

$$1680 \times 3 = 5040$$

$$5040 \times 2 = \mathbf{10080}$$

52. (1) The number series is:

$$11^3 + 1 = 1332$$

$$12^3 + 1 = 1729$$

$$13^3 + 1 = 2198$$

$$14^3 + 1 = 2745$$

$$15^3 + 1 = \mathbf{3376}$$

53. (1) The number series is :

$$16 \times 0.5 = 8$$

$$8 \times 1 = 8$$

$$8 \times 1.5 = 12$$

$$12 \times 2 = 24$$

$$24 \times 2.5 = 60$$

$$60 \times 3 = \mathbf{180}$$

54. (3) The number series is :

$$1 \times 1 + 2 = 3$$

$$3 \times 2 + 3 = 9$$

$$9 \times 3 + 4 = 31$$

$$31 \times 4 + 5 = \mathbf{129}$$

$$129 \times 5 + 6 = 651$$

55. (5) The number series is :

$$1^2 + 1 = 2$$

$$2^2 - 1 = 3$$

$$3^2 + 1 = 10$$

$$4^2 - 1 = 15$$

$$5^2 + 1 = \mathbf{26}$$

56. (5) A : B = 2 : 1

$$\text{and } B : C = 7 : 3$$

$$\therefore A : B : C = 14 : 7 : 3$$

ATQ,

$$(7 + 3) \text{ unit} \rightarrow 25000$$

$$\therefore 14 \text{ unit} \rightarrow \frac{25000}{5} \times 14$$

$$= ₹ 70,000$$

57. (1) Principal =  $\frac{3800 \times 100}{8 \times 5} = ₹ 9,500$

$$\text{Amount} = 9500 \left(1 + \frac{8}{100}\right)^2$$

$$= ₹ 11,080.80$$

∴ Compound interest

$$= 11080.80 - 9500$$

$$= ₹ 1,580.80$$

58. (5) Required third number  
 $= 344 \times 5 - (650 \times 2 + 100 \times 2)$   
 $= 1720 - (1300 + 200)$   
 $= 1720 - 1500 = 220$

59. (1) Required time = L.C.M of 30 and 90 minutes = 90 minutes

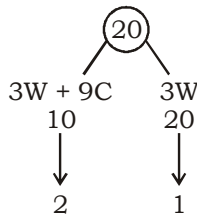
∴ Required time

$$= 11 \text{ PM} + 90 \text{ minutes}$$

$$= 12 : 30 \text{ a.m.}$$

60. (3) ∴ 12 women work in 5 days

$$\therefore 3 \text{ women work in } \frac{12 \times 5}{3} = 20 \text{ days}$$



$$\therefore 9 \text{ children work in } \frac{20}{1} = 20 \text{ days}$$

$$\therefore 36 \text{ children work in } \frac{20 \times 9}{36} = 5 \text{ days}$$

**(61-65):**

61. (3) Required ratio

$$= 900 \times \frac{23}{100} : 450 \times \frac{44}{100}$$

$$= 207 : 198$$

$$= 23 : 22$$

62. (5) Required total

$$= 840 \times \frac{55}{100} + 540 \times \frac{60}{100}$$

$$= 462 + 324 = 786$$

63. (4) Required% =  $\left(\frac{360}{220} \times 100\right)\%$

$$= 163.63\% \approx 164\%$$

64. (1) Total no. of females in departments D and B together

$$= 360 \times \frac{65}{100} + 220 \times \frac{35}{100}$$

$$= 234 + 77 = 311$$

Total no. of males in department D and B together

$$= 360 \times \frac{35}{100} + 220 \times \frac{65}{100}$$

$$= 126 + 143 = 269$$

$$\therefore \text{Required ratio} = 311 : 269$$

65. (2) Required total

$$= 840 + 220 + 900 + 360 + 450 + 540$$

$$= 3,310$$

66. (2) A tap can fill a tank in 6 hours.

After half the tank is filled, i.e. after 3 hours, three more similar taps are opened.

∴ No. of taps to fill remained half tank

$$= 4 \text{ taps}$$

∴ 1 tap take 3 hours to fill the tank

∴ 4 taps take 45 minutes to fill the tank

∴ Total time taken = 3 hours + 45 min

$$= 3 \text{ hours } 45 \text{ min}$$

67. (1) Total expenditure =  $(32 + 12 + 10)\%$

$$= 54\%$$

$$\text{Remaining salary} = (100 - 54)\% = 46\%$$

Amount invested in fixed deposit on

$$\text{entire year} = 54550 \times \frac{23}{100} \times 12$$

$$= ₹ 1,50,558$$

68. (3) Let the price of type 2 sugar be ₹  $x$  per kg.

$$\text{CP of mixture} = \frac{75.60}{120} \times 100 = ₹ 63$$

ATQ,

$$\text{So, } \frac{75 - 63}{63 - x} = \frac{3}{1}$$

$$\Rightarrow \frac{12}{63 - x} = \frac{3}{1}$$

$$\Rightarrow \frac{12}{63 - x} = \frac{3}{1}$$

$$\Rightarrow 12 = 189 - 3x$$

$$\Rightarrow 3x = 177$$

$$\Rightarrow x = ₹ 59 \text{ per kg.}$$

69. (1) Let the amount invested in first scheme is ₹ 100 and that of second scheme =  $100 \times 1.5 = ₹ 150$

CI of first scheme

$$= 150 \times \frac{120}{100} \times \frac{120}{100} - 100 = ₹ 66$$

CI of second scheme

$$= 100 \times \frac{110}{100} \times \frac{110}{100} - 100 = ₹ 21$$

ATQ,

$$(66 - 21) \text{ unit} \rightarrow 2025$$

$$\Rightarrow 45 \text{ unit} \rightarrow ₹ 2025$$

$$\therefore 100 \text{ unit} \rightarrow ₹ \frac{2025}{45} \times 150$$

$$= ₹ 6,750$$

70. (2) Total marks obtained by Nitin in Sanskrit, Science and Social Science

$$= 68 \times 3 = 204$$

Correct total marks

$$= 204 - 72 + 81 = 213$$

$$\therefore \text{Required}\% = \left( \frac{213}{360} \times 100 \right)\%$$

$$= 59.16\% \approx 59\%$$

**(71-75):**

71. (2)  $\Rightarrow 95^2 \approx 95^4 \div 95^1$

$$\Rightarrow 95^2 = 95^{4-1} = 95^3$$

$$\Rightarrow ? \approx 3$$

72. (2)  $? \approx \sqrt{10000} + \frac{3}{5} \times 1892$

$$= 100 + 1135.2$$

$$= 1235.2 \approx 1230$$

73. (3)  $? \approx \frac{0.0004}{0.0001} \times 36 = 4 \times 36$

$$= 144 \approx 145$$

74. (1)  $? = 12345 \times \frac{137}{100}$

$$= 16912.65 \approx 17000$$

75. (3)  $? = 3739 + 164 \times 27$

$$= 3739 + 4428$$

$$= 8167 \approx 8200$$

**(76-80):**

76. (5) I.  $\Rightarrow p^2 + 3p + 2p + 6 = 0$

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

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

$$\Rightarrow p = -2 \text{ or } -3$$

II.  $\Rightarrow q^3 + q + 2q + 2 = 0$

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

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

$$\Rightarrow q = -1 \text{ or } -2$$

Obviously  $p \leq q$

77. (4) I.  $\Rightarrow p = \pm 2$

II.  $\Rightarrow q^2 + 2q + 2q + 4 = 0$

$$\Rightarrow q(q+2) + 2(q+2) = 0$$

$$\Rightarrow (q+2)(q+2) = 0$$

$$\Rightarrow q = -2$$

Obviously,  $p \geq q$

78. (2) I.  $\Rightarrow p^2 + p - 56 = 0$

$$\Rightarrow p^2 + 8p - 7p - 56 = 0$$

$$\Rightarrow p(p+8) - 7(p+8) = 0$$

$$\Rightarrow (p+8)(p-7) = 0$$

$$\Rightarrow p = 7 \text{ or } -8$$

II.  $\Rightarrow q^2 - 8q - 9q + 72 = 0$

$$\Rightarrow q(q-8) - 9(q-8) = 0$$

$$\Rightarrow (q-8)(q-9) = 0$$

$$\Rightarrow q = 8 \text{ or } 9$$

Obviously,  $p < q$

79. (1) We have,

$$3p + 2q = 58 \quad \dots(i)$$

$$4p + 4q = 92$$

$$\Rightarrow 2p + 2q = 46 \quad \dots(ii)$$

By equation (i) - (ii) we get  $p = 12$

From equation (i),  $3 \times 12 + 2q = 58$

$$\Rightarrow 2q = 58 - 36 = 22$$

$$\Rightarrow q = 11$$

Hence,  $p > q$

80. (2) I.  $\Rightarrow 3p^2 + 15p + 2p + 10 = 0$

$$\Rightarrow 3p(p+5) + 2(p+5) = 0$$

$$\Rightarrow (p+5)(3p+2) = 0$$

$$\Rightarrow p = -5 \text{ or } -\frac{2}{3}$$

II.  $\Rightarrow 10q^2 + 5q + 4q + 2 = 0$

$$\Rightarrow 5q(2q+1) + 2(2q+1) = 0$$

$$\Rightarrow (2q+1)(5q+2) = 0$$

$$\Rightarrow q = -\frac{1}{2} \text{ or } -\frac{2}{5}$$

Obviously,  $p < q$

KD  
Campus

**KD Campus**

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

**IBPS RRB OFFICE ASSISTANT PHASE - I  
(ANSWER KEY) - 158**

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

**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**