

IBPS RRB OFFICER SCALE - I(PHASE - II) - 162 (SOLUTION)

REASONING

(1-6):

Floor	Person	Flower
8	Aditya	Marigold
7	Aakash	Hibiscus
6	Ananya	Daisy
5	Kavya	Iris
4	Shyam	Lotus
3	Radhika	Rose
2	Anuradha	Lily
1	Anamika	Jasmine

1. (2) 2. (1) 3. (4)
4. (2) 5. (3) 6. (2)

(7-8):

7. (2) **Conclusions :**

- I. Can't be compared
II. $R \geq S$; True [$R \geq N = S$]
III. $L \geq R$; False [$L \geq S = N \leq R$]

8. (5) **Conclusions :**

- I. $R > L$; False [$R \geq N = S \leq L$]
II. $L > P$; False [$L \geq S = N \leq R = P$]
III. $N \leq Q$; False [$N \leq R > Q$]

9. (5) **Conclusions :**

- I. $D > M$; True [$D > M < E$]
II. $M < W$; True [$M < G = E \leq W$]
III. $C \geq E$; False [$C > M < E$]

(10-11):

10. (2) **Conclusions :**

- I. $S < K$; True [$S \leq P < K$]
II. $Q > W$; True [$Q > V \geq W$]
III. $W \geq P$; False [$W = K > P$]

11. (3) **Conclusions :**

- I. $K > R$; True [$K > P = T > R$]
II. $T \leq V$; False [$T = P < K \leq V$]
III. $W > R$; True [$W > P > R$]

(12-16):

Input : train 55 only 41 most 35 year 29 first 37 cost 52 share 65

I → cost 52 train 55 only 41 most 35 year 29 first 37 share 65

II → cost 52 first 37 train 55 only 41 most 35 year 29 share 65

III → cost 52 first 37 most 35 Train 55 only 41 year 29 share 65

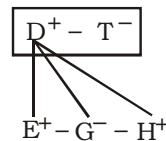
IV → cost 52 first 37 most 35 only 41 train 55 year 29 share 65

V → cost 52 first 37 most 35 only 41 share 65 train 55 year 29

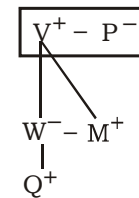
12. (3) 13. (4) 14. (1)
15. (4) 16. (3)

(17-19):

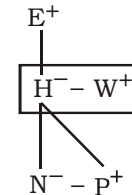
17. (1)



18. (4)



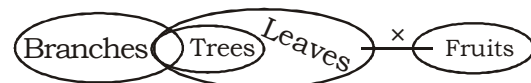
19. (3)



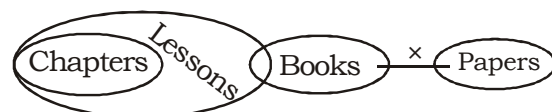
20. (3)



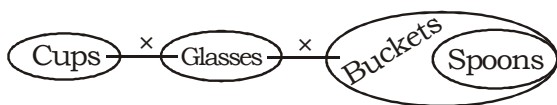
(21-22):



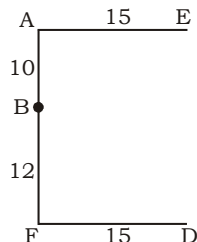
21. (2) 22. (3)
23. (1)



24. (3)



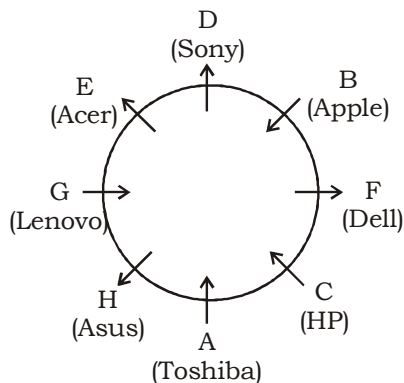
(25-26) :



25. (2)

26. (1)

(27-32) :



27. (1)

28. (2)

29. (3)

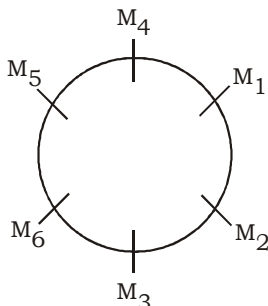
30. (4)

31. (3)

32. (4)

(33 - 35) :

33. (5)



34. (2) I. —

II. J

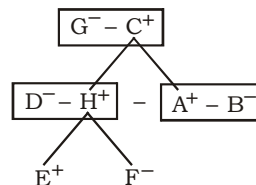
—
—
E
H
I

F
H
G
—
—

35. (5)

Floor	Person
5	—
4	Rohan
3	Mr. Kumar
2	Ram
1	Sameer

(36 - 40) : $A^+ H^+ D^- F^- B^- G^- C^+ E^+$



36. (4)

37. (2)

38. (2)

39. (3)

40. (1)

Maths

41. (1) $? \approx 32 \div 4 \times 15$

$$= \frac{32}{4} \times 15 = 120$$

42. (3) $? \approx 5 \times 13 + 600 = 665$

43. (4) $? = 21 + \frac{63}{17} = 24.70 \approx 25$

44. (2) $? = 1562 \div \frac{356 \times 24}{100}$

$$= 1562 \div 85.44 = 18.28 \approx 18$$

45. (2) $? = 5986 \div 364 \times \sqrt{220}$

$$\approx \frac{5986}{364} \times 15 = 246.67 \approx 245$$

46. (3) Required total

$$= 9670 + \left(86400 \times \frac{17}{100} - 11500 \right)$$

$$+ \left(86400 \times \frac{19}{100} - 13600 \right)$$

$$= 9670 + 3188 + 2816 = 15674$$

47. (1) Required % = $\left[\frac{\left(86400 \times \frac{12}{100} - 6500 \right)}{86400 \times \frac{18}{100}} \right] \%$

$$= \left(\frac{3868}{15552} \times 100 \right) \%$$

$$= 24.87\%$$

48. (5)

49. (2) Required difference

$$= \left[86400 \times \frac{12}{100} - \left(86400 \times \frac{18}{100} - 9670 \right) \right]$$

$$= 10368 - 5882 = 4486$$

50. (4) Required ratio

$$= 6500 : \left(86400 \times \frac{13}{100} - 7560 \right)$$

$$= 6500 : 3672 = 1625 : 918$$

51. (4) The pattern is :

$$2^3 + 1^2 = 9$$

$$3^3 + 2^2 = 31$$

$$4^3 + 3^2 = 73$$

$$5^3 + 4^2 = 141$$

$$6^3 + 5^2 = \mathbf{241}$$

52. (4) The pattern is :

$$35 + 221 = 256$$

$$256 + (221 - 26) = 451$$

$$451 + 169 (=195 - 26) = 620$$

$$620 + 143 (=169 - 26) = 763$$

$$763 + 117 (=143 - 26) = \mathbf{880}$$

53. (3) The pattern is :

$$130 + 3^2 = 139$$

$$139 + 4^2 = 155$$

$$155 + 5^2 = 180$$

$$180 + 6^2 = 216$$

$$216 + 7^2 = \mathbf{265}$$

54. (2) The pattern is :

$$658 + 72 = 730$$

$$730 + 144 = 874$$

$$874 + 288 = 1162$$

$$1162 + 576 = \mathbf{1738}$$

55. (2) The pattern is :

$$14 + 990 = 1004$$

$$1004 + \frac{990}{5} = 1202$$

$$1202 + \frac{198}{4} = 1251.5$$

$$1251.5 + 16.5 \left(= \frac{49.5}{3} \right) = 1268$$

$$1268 + 8.25 = \mathbf{1276.25}$$

(56-60) :

$$56. (2) \text{ Required \%} = \left(\frac{55 - 45}{55} \times 100 \right) \%$$

$$= \left(\frac{10}{55} \times 100 \right) \% = 18 \frac{2}{11} \%$$

$$57. (5) \text{ Required average} = \frac{70 + 64 + 45}{3}$$

$$= \frac{179}{3} = 59.66$$

58. (3) Required ratio

$$= 75 : \left(\frac{55 + 45 + 75 + 50 + 60 + 45}{6} \right)$$

$$= 75 : 55 = 15 : 11$$

59. (5) Required difference = 379 - 330 = 49

60. (4)

61. (3) Required ratio

$$= \left(\frac{1}{6} \times 5 + \frac{3}{8} \times 4 + \frac{5}{12} \times 5 \right) : \left(\frac{5}{6} \times 5 + \frac{5}{8} \times 4 + \frac{7}{12} \times 5 \right)$$

$$= 106 : 230 = 53 : 115$$

62. (3) According to total of 40 innings

$$= 40 \times 50 = 2000$$

$$\text{Total of 38 innings} = 38 \times 48 = 1824$$

∴ Sum of highest and lowest score

$$\Rightarrow x + y = 2000 - 1824 \Rightarrow x + y = 176$$

$$\text{and } x - y = 172$$

Solving Eqs. (i) and (ii), we get

$$x = 174$$

63. (3) CI - SI for 2 years = $P \left(\frac{r}{100} \right)^2$

$$\Rightarrow 45 = P \left(\frac{15}{100} \right)^2 \Rightarrow P = \frac{45 \times 100 \times 100}{15 \times 15}$$

$$= ₹ 2000$$

64. (4) Let the length, breadth and height of the cube be x , $2x$ and $3x$ respectively.

$$\text{Then, volume} = x \times 2x \times 3x = 6x^3$$

New length, breadth and height

$$= 2x, 6x \text{ and } 9x \text{ respectively.}$$

$$\text{Now volume} = 108x^3$$

Hence, increase in volume

$$= \left(\frac{108 - 6}{6} \right) x^3$$

$$= 17 \text{ times of original volume.}$$

65. (3) Ratio of their profit
= 27000 : 81000 : 72000 = 3 : 9 : 8
If total profit be ₹ x,

$$\text{then B's share} = \frac{9x}{20} = 36000$$

$$\Rightarrow x = \frac{36000 \times 20}{9} = ₹ 80000$$

66. (3) Let the beginning of the year variety of bushes is x, then

$$x \times 1.1 \times 1.08 \times 0.9 = 26730$$

$$\Rightarrow x = \frac{26730}{1.1 \times 1.08 \times 0.9} = 25000$$

67. (3) According to question,
CP of 20 articles = SP of x articles = 1

$$\therefore \text{CP of 1 articles} = \frac{1}{20}$$

$$\text{SP of 1 articles} = \frac{1}{x}$$

$$\text{Profit per cent} = \frac{\frac{1}{x} - \frac{1}{20}}{\frac{1}{20}} = \frac{25}{100}$$

$$\Rightarrow \frac{20-x}{x} = \frac{1}{4} \Rightarrow 80 - 4x = x \Rightarrow 5x = 80$$

$$\Rightarrow x = 16$$

68. (2) Let the shares of A, B and C be (x-3), (2x-7) and (3x-9) respectively.

$$\text{Then,} \\ (x-3) + (2x-7) + (3x-9) = 671$$

$$\Rightarrow 6x = 690$$

$$\therefore x = ₹ 115$$

$$A = ₹ 112$$

$$B = ₹ 223$$

$$\text{and } C = ₹ 336$$

69. (1) Let the three parts be ₹ x,
₹ y, and ₹ z.

According to the question,

$$x + \frac{x \times 2 \times 5}{100} = y + \frac{y \times 3 \times 5}{100} = z + \frac{z \times 4 \times 5}{100}$$

$$\Rightarrow 1.1x = 1.15y = 1.2z$$

$$\Rightarrow \frac{x}{y} = \frac{1.15}{1.1} = \frac{23}{22}$$

$$\text{and } \frac{y}{z} = \frac{1.2}{1.15} = \frac{24}{23}$$

$$\Rightarrow x : y : z = 276 : 264 : 253$$

$$\Rightarrow x = \frac{276}{793} \times 1586 = ₹ 552$$

$$\Rightarrow y = \frac{264}{793} \times 1586 = ₹ 528$$

$$\text{and } z = \frac{253}{793} \times 1586 = ₹ 506$$

Hence, the required three parts are ₹ 552, ₹ 528 and ₹ 506.

70. (1) By question,

$$\therefore \frac{M_1 D_1 T_1}{W_1} = \frac{M_2 D_2 T_2}{W_2}$$

$$\therefore \frac{5 \times 10 \times 8}{100} = \frac{8 \times D_2 \times 6}{30}$$

$$\Rightarrow D_2 = \frac{5 \times 10 \times 8 \times 30}{100 \times 8 \times 6} = 2 \frac{1}{2} \text{ days}$$

(71 - 75):

71. (1)

$$72. (4) \text{ Required \%} = \left(\frac{21-18}{18} \times 100 \right) \% \\ = 16.66\%$$

$$73. (5) \text{ Required difference} = \frac{552 - 363}{6} = 31.5$$

74. (5)

75. (5) Total micromax mobile = 463

$$\therefore \text{ Required \%} = \left(\frac{463 - 120}{463} \times 100 \right) \% \\ = 74.08 \%$$

76. (5) I. $\sqrt{25x^2} - 125 = 0$

$$\Rightarrow \sqrt{25x^2} = 125$$

$$\Rightarrow 25x^2 = 125 \times 125$$

$$\Rightarrow x^2 = \frac{125 \times 125}{25} = 625$$

$$\therefore x = \pm 25$$

$$\text{II. } \sqrt{361}y + 95 = 0$$

$$\Rightarrow 19y = -95$$

$$\Rightarrow y = -5$$

Clearly $x > y$

$$77. (3) \text{ I. } \frac{5}{7} - \frac{5}{21} = \frac{\sqrt{x}}{42}$$

$$\Rightarrow \frac{15-5}{21} = \frac{\sqrt{x}}{42}$$

$$= \sqrt{x} = \frac{10}{21} \times 42 = 20$$

$$\therefore x = 20 \times 20 = 400$$

$$\text{II. } \frac{\sqrt{y}}{4} + \frac{\sqrt{y}}{16} = \frac{250}{\sqrt{y}}$$

$$\Rightarrow \frac{4\sqrt{y} + \sqrt{y}}{16} = \frac{250}{\sqrt{y}}$$

$$\Rightarrow 5\sqrt{y} \times \sqrt{y} = 250 \times 16$$

$$\Rightarrow 5y = 250 \times 16$$

$$\Rightarrow y = \frac{250 \times 16}{5} = 800$$

clearly $x < y$

$$78. (1) \text{ I. } (625)^{\frac{1}{4}}x + \sqrt{1225} = 155$$

$$\Rightarrow (5^4)^{\frac{1}{4}}x + 35 = 155$$

$$\Rightarrow 5x = 155 - 35$$

$$\Rightarrow 5x = 120$$

$$\Rightarrow x = \frac{120}{5} = 24$$

$$\text{II. } \sqrt{196}y + 13 = 279$$

$$\Rightarrow 14y = 279 - 13 = 266$$

$$\Rightarrow y = \frac{266}{14} = 19$$

Clearly $x > y$

$$79. (1) \text{ I. } 5x^2 - 18x + 9 = 0$$

$$\Rightarrow 5x^2 - 15x - 3x + 9 = 0$$

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

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

$$\Rightarrow x = \frac{3}{5} \text{ or } 3$$

$$\text{II. } 3y^2 + 5y - 2 = 0$$

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

$$\Rightarrow 3y(y+2) - 1(y+2) = 0$$

$$\Rightarrow (3y-1)(y+2) = 0$$

$$\Rightarrow y = \frac{1}{3} \text{ or } -2$$

Clearly $x > y$

$$80. (3) \text{ I. } \frac{13}{\sqrt{x}} + \frac{9}{\sqrt{x}} = \sqrt{x}$$

$$\Rightarrow 13 + 9 \Rightarrow \sqrt{x} \times \sqrt{x} = x$$

$$\Rightarrow x = 22$$

$$\text{II. } y^4 = \frac{(26)^{\frac{9}{2}}}{\sqrt{y}}$$

$$\Rightarrow y^4 \times y^{\frac{1}{2}} = (26)^{\frac{9}{2}}$$

$$\Rightarrow (y)^{\frac{9}{2}} = (26)^{\frac{9}{2}}$$

$$\Rightarrow y = 26$$

Clearly $x < y$

English

(136-140):

136. (4) Change it into 'set government property on fire'.

137. (1) Change 'silver line' into 'silver lining'. Which means a positive aspect and something'.

138. (1) Change 'a lots of' into 'a lot of'.

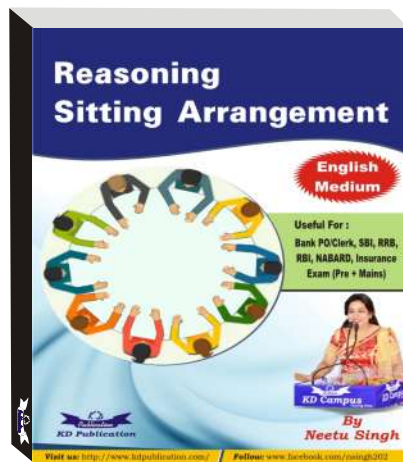
139. (2) Change 'look after' into 'look at'.

140. (5) No error

VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Vaguer	Not clearly expressed	अस्पष्ट
Postulate	To assume or claim as true	अभिधारणा
Tempting	Something that is attractive, or desire to have it	आकर्षक, लुभावना
Revoke	To officially cancel something so that it is no larger valid	रद्द करना
Engulf	Sweep over (something) so as to surroud or cover it completed	परिग्रहण करना
Plunge	To fall or drop suddenly or quickly	पतन
Bridle	Act of restraining power or limiting excess	नियन्त्रण करना
Albeit	Conceding the fact that, Although	यद्यपि
Bossy	Fond of giving orders to people	शासक
Endure	To continue to exist in same state or condition	टिकना, चलना

For all Bank PO/ Clerk Exams



KD
Campus

KD Campus

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

IBPS RRB OFFICER SCALE - I(PHASE - II) - 162 (ANSWER KEY)

1. (2)	41. (1)	81. (1)	121. (3)	161. (1)
2. (1)	42. (3)	82. (2)	122. (4)	162. (3)
3. (4)	43. (4)	83. (2)	123. (4)	163. (3)
4. (2)	44. (2)	84. (1)	124. (2)	164. (2)
5. (3)	45. (2)	85. (2)	125. (2)	165. (2)
6. (2)	46. (3)	86. (4)	126. (3)	166. (2)
7. (2)	47. (1)	87. (1)	127. (4)	167. (4)
8. (5)	48. (5)	88. (1)	128. (2)	168. (4)
9. (5)	49. (2)	89. (3)	129. (2)	169. (4)
10. (2)	50. (4)	90. (4)	130. (5)	170. (4)
11. (3)	51. (4)	91. (5)	131. (2)	171. (4)
12. (3)	52. (4)	92. (4)	132. (5)	172. (2)
13. (4)	53. (3)	93. (4)	133. (3)	173. (3)
14. (1)	54. (2)	94. (1)	134. (4)	174. (3)
15. (4)	55. (2)	95. (2)	135. (1)	175. (1)
16. (3)	56. (2)	96. (4)	136. (4)	176. (3)
17. (1)	57. (5)	97. (4)	137. (1)	177. (2)
18. (4)	58. (3)	98. (2)	138. (1)	178. (4)
19. (3)	59. (5)	99. (3)	139. (2)	179. (1)
20. (3)	60. (4)	100. (2)	140. (5)	180. (3)
21. (2)	61. (3)	101. (3)	141. (2)	181. (4)
22. (3)	62. (3)	102. (2)	142. (5)	182. (1)
23. (1)	63. (3)	103. (3)	143. (4)	183. (2)
24. (3)	64. (4)	104. (2)	144. (1)	184. (3)
25. (2)	65. (3)	105. (2)	145. (3)	185. (4)
26. (1)	66. (3)	106. (4)	146. (1)	186. (3)
27. (1)	67. (3)	107. (4)	147. (3)	187. (2)
28. (2)	68. (2)	108. (5)	148. (5)	188. (1)
29. (3)	69. (1)	109. (3)	149. (2)	189. (2)
30. (4)	70. (1)	110. (4)	150. (3)	190. (3)
31. (3)	71. (1)	111. (5)	151. (1)	191. (1)
32. (4)	72. (4)	112. (4)	152. (4)	192. (4)
33. (5)	73. (5)	113. (2)	153. (4)	193. (3)
34. (2)	74. (5)	114. (1)	154. (3)	194. (2)
35. (5)	75. (*)	115. (3)	155. (5)	195. (2)
36. (4)	76. (5)	116. (4)	156. (2)	196. (1)
37. (2)	77. (3)	117. (3)	157. (5)	197. (3)
38. (2)	78. (1)	118. (3)	158. (1)	198. (5)
39. (3)	79. (1)	119. (4)	159. (2)	199. (1)
40. (1)	80. (3)	120. (3)	160. (2)	200. (3)

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