IBPS CLERK / RRB MAIN MOCK TEST-75 (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]

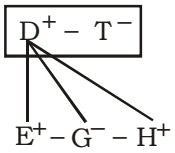
(12-16):

Input : train 55 only 41 most 35 year 29 first 37 cost 52 share 65
I $\rightarrow$ cost 52 train 55 only 41 most 35 year 29 first 37 share 65
II $\rightarrow$ cost 52 first 37 train 55 only 41 most35 year 29 share 65
III $\rightarrow$ cost 52 first 37 most 35 Train 55 only 41 year 29 share 65
IV $\rightarrow$ cost 52 first 37 most 35 only 41 train 55 year 29 share 65
V $\rightarrow$ cost 52 first 37 most 35 only 41 share 65 train 55 year 29

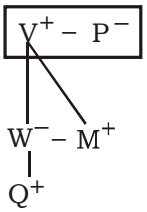
12. (3) 13. (4) 14. (1)
15. (4) 16. (3)

(17-19) :

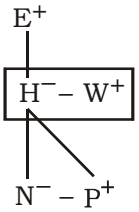
17. (1)



18. (4)



19. (3)

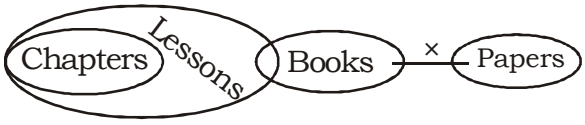


20. (3)

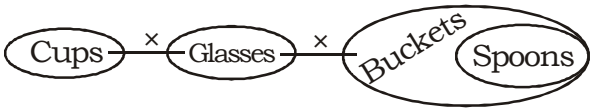
(21-22) :

21. (2) 22. (3)

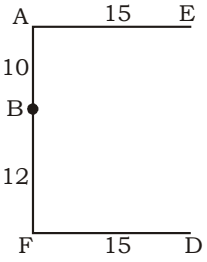
23. (1)



24. (3)

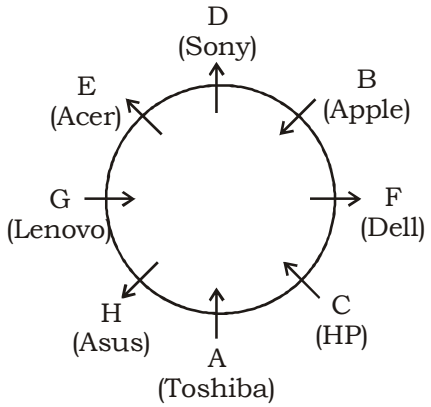


(25–26) :



25. (2) 26. (1)

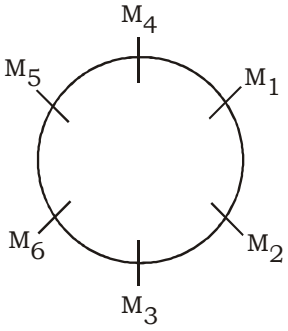
(27–32) :



27. (1) 28. (2) 29. (3)
30. (4) 31. (3) 32. (4)

(33 – 35) :

33. (5)



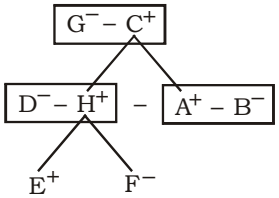
34. (2)

I.	II.
—	J
—	**F**
—	H
E	G
H	—
I	—

35. (5)

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

(36 – 40) : $\underline{A^+}\ \underline{H^+}\ \underline{D^-}\ \underline{F^-}\ \underline{B^-}\ \underline{G^-}\ \underline{C^+}\ \underline{E^+}$



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 :

$2^3 + 1^2 = 9$

$3^3 + 2^2 = 31$

$4^3 + 3^2 = 73$

$5^3 + 4^2 = 141$

$6^3 + 5^2 =$ **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) = **880**

53. (3) The pattern is :
$130 + 3^2 = 139$
$139 + 4^2 = 155$
$155 + 5^2 = 180$
$180 + 6^2 = 216$
$216 + 7^2 =$ **265**

54. (2) The pattern is :
658 + 72 = 730
730 + 144 = 874
874 + 288 = 1162
1162 + 576= **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 = **1276.25**

(56-60) :

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

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

57. (5) 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 × 50 = 2000
Total of 38 innings = 38 × 48 = 1824
∴ Sum of highest and lowest score
$\Rightarrow x + y = 2000 - 1824 \Rightarrow x + y = 176$
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, breadh and height of the cube be x, $2x$ and $3x$ respectively.
Then, volume = $x \times 2x \times 3x = 6x^2$
New length, breadth and height
= $2x$, $6x$ and $9x$ respectively.
Now volume = $108x^3$
Hence, increase in volume

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

= 17 times of original volume.

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

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

∴ CP = of 1 articles = $\frac{1}{20}$

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

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.
Then,
$(x-3)+(2x-7)+(3x-9)=671$
$\Rightarrow 6x=690$
$\therefore x=$ ₹ 115
A = ₹ 112
B = ₹ 223
and C = ₹ 336

69. (1) Let the three parts be ₹ x, ₹ y, and ₹ z.
According to the question,
$$x+\frac{x\times2\times5}{100}=y+\frac{y\times3\times5}{100}=z+\frac{z\times4\times5}{100}$$
$\Rightarrow 1.1x=1.15y=1.2z$
$$\Rightarrow \frac{x}{y}=\frac{1.15}{1.1}=\frac{23}{22}$$
and $\frac{y}{z}=\frac{1.2}{1.15}=\frac{24}{23}$
$\Rightarrow x:y:z=276:264:253$
$$\Rightarrow x=\frac{276}{793}\times1586=₹\ 552$$
$$\Rightarrow y=\frac{264}{793}\times1586=₹\ 528$$
and $z=\frac{253}{793}\times1586=₹\ 506$
Hence, the required three parts are ₹ 552, ₹ 528 and ₹ 506.

70. (1) By question,
$$\therefore \frac{M_1D_1T_1}{W_1}=\frac{M_2D_2T_2}{W_2}$$
$$\therefore \frac{5\times10\times8}{100}=\frac{8\times D_2\times6}{30}$$
$$\Rightarrow D_2=\frac{5\times10\times8\times30}{100\times8\times6}=2\frac{1}{2}\text{ days}$$

(71 - 75):

71. (1)

72. (4) Required % $=\left(\frac{21-18}{18}\times100\right)\%$
$=16.66\%$

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

74. (5)

75. (*) Total micromax mobile = 463
$\therefore$ Required % $=\left(\frac{463-120}{463}\times100\right)\%$
$=74.08\%$

76. (5) I. $\sqrt{25x^2}-125=0$
$\Rightarrow \sqrt{25x^2}=125$
$\Rightarrow 25x^2=125\times125$
$$\Rightarrow x^2=\frac{125\times125}{25}=625$$
$\therefore x=\pm25$
II. $\sqrt{361}\,y+95=0$
$\Rightarrow 19y=-95$
$\Rightarrow y=-5$
Clearly $x>y$

77. (3) I. $\frac{5}{7}-\frac{5}{21}=\frac{\sqrt{x}}{42}$
$$\Rightarrow \frac{15-5}{21}=\frac{\sqrt{x}}{42}$$
$$= \sqrt{x}=\frac{10}{21}\times42=20$$
$\therefore x=20\times20=400$
II. $\frac{\sqrt{y}}{4}+\frac{\sqrt{y}}{16}=\frac{250}{\sqrt{y}}$
$$\Rightarrow \frac{4\sqrt{y}+\sqrt{y}}{16}=\frac{250}{\sqrt{y}}$$
$\Rightarrow 5\sqrt{y}\times\sqrt{y}=250\times16$
$\Rightarrow 5y=250\times16$
$$\Rightarrow y=\frac{250\times16}{5}=800$$
clearly $x<y$

78. (1) I. $(625)^{\frac{1}{4}}x+\sqrt{1225}=155$
$\Rightarrow \left(5^4\right)^{\frac{1}{4}}x+35=155$
$\Rightarrow 5x=155-35$
$\Rightarrow 5x=120$
$$\Rightarrow x=\frac{120}{5}=24$$
II. $\sqrt{196}\,y+13=279$
$\Rightarrow 14y=279-13=266$
$$\Rightarrow y=\frac{266}{14}=19$$

Clearly $x > y$

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

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

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

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

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

II. $3y^2 + 5y - 2 = 0$

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

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

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

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

Clearly $x > y$

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

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

$\Rightarrow x = 22$

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. (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.

Correction :

9. (*) Only I and II are true.

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

IBPS CLERK / RRB MAIN MOCK TEST-75 (ANSWER KEY)

1. (2)	41. (1)	81. (2)	121. (3)	161. (1)
2. (1)	42. (3)	82. (2)	122. (4)	162. (3)
3. (4)	43. (4)	83. (4)	123. (4)	163. (3)
4. (2)	44. (2)	84. (1)	124. (2)	164. (2)
5. (3)	45. (2)	85. (3)	125. (2)	165. (2)
6. (2)	46. (3)	86. (1)	126. (3)	166. (2)
7. (2)	47. (1)	87. (1)	127. (4)	167. (4)
8. (5)	48. (5)	88. (4)	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. (4)	131. (2)	171. (4)
12. (3)	52. (4)	92. (1)	132. (5)	172. (2)
13. (4)	53. (3)	93. (1)	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. (1)	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. (5)	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. (1)	149. (2)	189. (2)
30. (4)	70. (1)	110. (1)	150. (3)	190. (3)
31. (3)	71. (1)	111. (1)	151. (1)	191. (1)
32. (4)	72. (4)	112. (2)	152. (4)	192. (4)
33. (5)	73. (5)	113. (1)	153. (4)	193. (3)
34. (2)	74. (5)	114. (1)	154. (3)	194. (2)
35. (5)	75. (*)	115. (1)	155. (5)	195. (2)
36. (4)	76. (5)	116. (4)	156. (2)	196. (1)
37. (2)	77. (3)	117. (2)	157. (5)	197. (3)
38. (2)	78. (1)	118. (1)	158. (1)	198. (5)
39. (3)	79. (1)	119. (5)	159. (2)	199. (1)
40. (1)	80. (3)	120. (1)	160. (2)	200. (3)

Note:- If you face any problem regarding result or marks scored, please contact 9313111777

Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003