IBPS CLERK / RRB MAIN MOCK TEST-74 (SOLUTION)

REASONING

(1–5):

Lawyer⁻

Doctor⁻ ⟺ Mukesh⁺   Rakesh⁺ ⟺ Reena⁻
(Teacher)   (Teacher)   (Lawyer)

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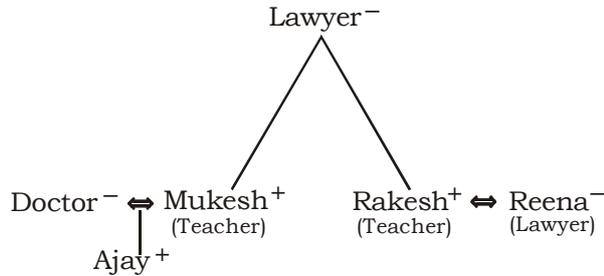
1. (1)   2. (3)   3. (2)
4. (4)   5. (4)

(6-10):

6. (3) P > Q ³ R = K < M
   I. Q = K ⊗ Doubt
   II. Q > K ⊗ Doubt
   Either conclusion I or II follows.

7. (1) V £ F > R ³ G
   I. G < F ⊗ True
   II. G < V ⊗ False
   Only conclusion I follows.

8. (4) P = Q ³ L < M = R £ K
   I. K > Q ⊗ False
   II. Q ³ M ⊗False
   Neither conclusion I nor II follows.

9. (1) J £ M = N < T
   I. T > J ⊗ True
   II. T = J ⊗False
   Only conclusion I follows.

10. (1) S ³ U = V > K = J < M £ P > Q
    I. P > J ⊗ True
    II. V ³ M ⊗ False
    Only conclusion I follows.

(11-13):

(Doctor)
Q(+) ⟺ O(–)

L(–) ⟺ M(+) – R(+) ⟺ N(–)
Bussiness   (advocate) (housewife)
man

P(+)
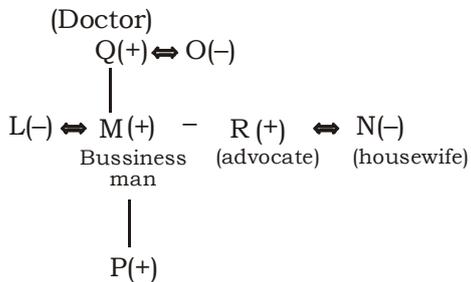
11. (4)   12. (2)   13. (3)

(14 – 18):

Professor	Subject	Building
A	English	R
B	History	V
C	Math	T
D	History	W
E	English	S
F	Math	P
G	Math	Q

14. (4)   15. (2)   16. (3)
17. (1)   18. (5)

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

(24 – 28):
24. (1)
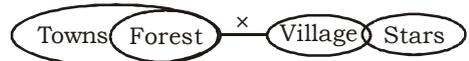
Towns (Forest) × (Village) Stars
I. True   II. True
III. False
Only I and II follow.

25. (1) (Milk (Butter) Curd) × (Water)
I. True   II. False
III. False
Only I follows.

26. (3) (Door (Handle) Thread (Window))
I. False   II. True
III. True
Only II and III follow.

27. (1) (Grapes) × (Mango (Apple)) × (Banana)
I. False   II. False
III. True
Only III follows.
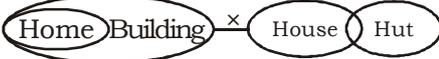
28. (5) (Home (Building) × (House (Hut))
I. True   II. False
III. True
Only I and III follow.

29. (4)

(30 – 31) :

D ——10m—— E
5m   5m
C•   •F
5m
B————7m————A
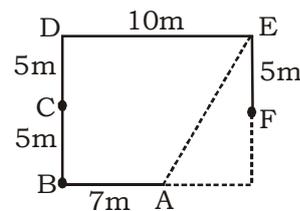
30. (2)

31. (5) AE = $\sqrt{10^2 + 3^2}$
       = $\sqrt{109}$ m

(32 – 33) :
    W > Y > A > X > Z > V
32 (1)   33. (2)

(34 – 38) :

Professor	Subject	Day
K	Botany	Thursday
I	Zoology	Thursday
H	History	Monday
L	English	Monday
J	Geography	Friday
M	Psychology	Friday
N	Hindi	Friday

34. (1)   35. (2)   36. (2)
37. (5)   38. (5)
39. (4)
40. (1)

Maths

41. (1) $\dfrac{5682}{63} \times 36 = ? \times 19$

    $\Rightarrow ? = \dfrac{5682 \times 36}{63 \times 19} = 170.88 \approx 170$

42. (1) $? = \dfrac{340}{33} \times \dfrac{510}{43} \times \dfrac{113}{93}$

    $= 148.47 \approx 150$

43. (2) $\approx = (31)^2 + (4)^3 - (12)^2$

    $= 961 + 64 - 144 = 881 \approx 900$

44. (2) $? = \dfrac{\sqrt{3178} \times \sqrt{1330}}{\sqrt{360}}$

    $\approx \dfrac{56 \times 36}{19} = 106.105 \approx 110$

45. (5) $? = \dfrac{405 \times 39}{100} + \dfrac{610 \times 62}{100} - 183.57$

    $\approx 158 + 378 - 184 = 352 \approx 350$

46. (3) Required % = $\left[\dfrac{\left(\dfrac{33.6}{112} \times 100\right)}{40 \times \dfrac{75}{100}} \times 100\right]$%

    $= \left(\dfrac{30}{30} \times 100\right)\% = 100\%$

47. (4) Original S.P = $40 \times \dfrac{75}{100} = ₹\,30$

    New S.P = $40 \times \dfrac{112}{100} = ₹\,44.80$

    ∴ Required answer = 44.80 – 30
    = ₹ 14.80

48. (1) Profit% on Eraser = $\left(\dfrac{15}{30} \times 100\right)$%

    = 50%

    ∴ Required % = $\left(\dfrac{50-12}{12} \times 100\right)$%

    $= \left(\dfrac{38}{12} \times 100\right)$%

    = 316.66% ≈ 317%

49. (4) Profit % of book = $\left(\dfrac{72}{250} \times 100\right)$%

    = 28.8%

    ∴ Required ratio = 24 : 28.8
    = 5 : 6

50. (1) Total C.P = $250 + \dfrac{33.6}{112} \times 100 + 40 + 30$

    $+ \dfrac{37.2}{124} \times 100$

    = 250 + 30 + 40 + 30 + 30
    = ₹ 380
    Total S.P = 322 + 33.6 + 30 + 45 + 37.2
    = ₹ 467.8

    ∴ Overall Profit%

    $= \left[\dfrac{(467.8 - 380)}{380} \times 100\right]$%

    = 23.10%
    ≈ 23%

51. (2) The pattern of the number series is :
    958 – 833 = 125
    833 – 733 = 100
    733 – 658 = 75
    658 – 608 = 50
    ∴ ? = 608 – 25 = 583

52. (4) The pattern of the number series is :
    11 × 1 – 1 = 10
    10 × 2 – 2 = 18
    18 × 3 – 3 = 51
    51 × 4 – 4 = 200
    200 × 5 – 5 = 995

53. (1) The pattern of the number series is :
    25 × 2 – 2 = 50 – 2 = 48
    48 × 2 – 2 = 96 – 2 = 94
    94 × 2 – 2 = 188 – 2 = 186
    186 × 2 – 2 = 372 – 2 = 370
    370 × 2 – 2 = 740 – 2 = 738

54. (2) The pattern of the number series is :
    14 + 10 = 24
    24 + 19 (=10 + 9) = 43
    43 + 28 (= 19 + 9) = 71
    71 + 37 (= 28 + 9) = 108
    108 + 46 (= 37 + 9) = 154

55. (5) The pattern of the number series is :
144 + 29 = 173
173 – 33 = 140
140 + 29 = 169
169 – 33 = 136
136 + 29 = 165

56. (2) Required no. of people

$= 9000000 \times \dfrac{57.6}{360} = 1440000 = 14.4$ lakh

57. (5) Required difference

$= 9000000 \times \left(\dfrac{43.2 - 28.8}{360}\right)$

$= 9000000 \times \dfrac{14.4}{360} = 360000$

58. (4) Required ratio = 108 : 86.4 = 5 : 4

59. (3) Required ratio = $\left(\dfrac{36}{28.8} \times 100\right)\% = 125\%$

60. (4) Required % = $\left[\dfrac{(108 - 57.6)}{57.6} \times 100\right]\%$
$= 87.5\%$

61. (5) Total age of Rahul, Manish and Suresh
$= 63 \times 3 = 189$ years
Let the age of Manish be x years.
\ Rahul's age = $(x + 10)$ years
\ Suresh's age = $(x + 10 + 7)$ years
$= (x + 17)$ years
A/q,
$x + x + 10 + x + 17 = 189$
Þ $3x + 27 = 189$ Þ $3x = 162$ Þ $x = 54$
\ Sum of ages of manish and suresh
$= x + x + 17 = 2x + 17 = 2 \times 54 + 17$
$= 125$ years

62. (3) Let the rate p.c. p.a. be r.

$r = \dfrac{6216 \times 100}{14800 \times 3} = 14\%$

$\therefore$ C.I $= P\left[\left(1 + \dfrac{r}{100}\right)^3 - 1\right]$

$= ₹\, 14800\left[\left(1 + \dfrac{14}{100}\right)^3 - 1\right]$

$= ₹\, 14800\left[(1.14)^3 - 1\right]$

$= ₹\, 14800\,(1.481544 - 1)$

$= ₹\, 14800 \times 0.481544$

$= ₹\, 7126.8512$

63. (3) Perimeter of rectangle = 2(18 + 26)
$= 2 \times 44 = 88$ cm
$\therefore$ Circumference of circle = 88 cm

$\Rightarrow 2 \times \dfrac{22}{7} \times r = 88 \Rightarrow r = \dfrac{88 \times 7}{2 \times 22} = 14$ cm

$\therefore$ Area of circle = πr^2

$= \dfrac{22}{7} \times 14 \times 14 = 616$ sq. cm.

64. (1) Ratio of profit
$= x \times 12 : 2x \times 6 : 3x \times 4$
$= 1 : 1 : 1$

$\therefore$ C's share = $\dfrac{1}{3} \times 27000 = ₹\, 9000$

65. (1) Let original price of radio be x and sale be y.
Then, total revenue collected = $x \times y$
New price = $0.8x$, new sale = $1.8y$
New revenue collected = $1.44\, xy$
Percentage increase in revenue

$= \dfrac{0.44xy}{xy} \times 100 = 44\%$ increase

66. (2) Gain% $= \left[\dfrac{11}{(33 - 11)} \times 100\right]\% = 50\%$

67. (4) Let the income of two persons be $4x$ and $5x$ and their expenses be $7y$ and $9y$.
Then, $4x - 7y = 50$ ...(i)
and $5x - 9y = 50$ ...(ii)
Solving Eqs. (i) and (ii), we get
$x = 100$ and $y = 50$
$\therefore$ The income of persons are ₹ 400 and ₹ 500.

68. (3) $P + \dfrac{P r \times 3}{100} = 14160$ .....(i)

$P + P \times \dfrac{5r}{400} \times 3 = 14700$ ....(ii)

$\Rightarrow P + \dfrac{5}{4}(14160 - P) = 14700$

$\Rightarrow 4P + 70800 - 5P = 58800$

$\Rightarrow P = 70800 - 58800 = 12000$

$\therefore$ From equation (i),

$12000 + \dfrac{12000 \times r \times 3}{100} = 14160$

$\Rightarrow 120 \times 3 \times r = 14160 - 12000 = 2160$

$\Rightarrow r = \dfrac{2160}{120 \times 3} = 6\%$

69. (3) **Tricky approach :**

If the length of the train be l metre, then

Required ratio = $\dfrac{l}{54} : \dfrac{l}{12 \times 60}$ = 40 : 3

70. (3) (Lucky + Gaurav)'s 1 day's work = $\dfrac{1}{12}$

(Gaurav + Ashu)'s 1 day's work = $\dfrac{1}{15}$

(Ashu + Lucky)'s 1 day's work = $\dfrac{1}{20}$

On adding,

2 (Lucky + Gaurav + Ashu)'s 1 day's work

= $\dfrac{1}{12} + \dfrac{1}{15} + \dfrac{1}{20} = \dfrac{5+4+3}{60} = \dfrac{1}{5}$

(Lucky + Gaurav + Ashu)'s 1 day's work

= $\dfrac{1}{10}$

$\therefore$ Lucky's 1 day's work = $\dfrac{1}{10} - \dfrac{1}{15}$

= $\dfrac{3-2}{30} = \dfrac{1}{30}$

Hence, Lucky alone will complete the work in 30 days.

71. (3) Required difference = 130 – 110 = 20

72. (1) Required difference + (140 + 120 + 100 + 130 + 110 + 150) – (120 + 100 + 140 + 75 + 120 + 160)

= 750 – 715 = 35

73. (5) Required averege = $\dfrac{715}{6}$ = 119.16

» 119

74. (4) Difference in 1997 = 140 –120 = 20

Difference in 1998 = 120 – 100 = 20

Difference in 1999 = 140 – 100 = 40

Difference in 2000 = 130 – 75 = 55

Difference in 2001 = 120 – 110 = 10

Difference in 2002 = 160 – 150 = 10

75. (1) Required% = $\left(\dfrac{130}{75} \times 100\right)\%$

= 173.33% ≈ 173%

76. (1) I. $x^2 - 14x + 48 = 0$

$\Rightarrow x^2 - 8x - 6x + 48 = 0$

$\Rightarrow x(x - 8) - 6 (x - 8) = 0$

$\Rightarrow (x - 6) (x - 8) = 0$

$\therefore$ x = 6 or 8

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

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

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

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

$\therefore$ y = 2 or 3

Clearly, $x > y$

77. (4) I. $x^2 + 9x + 20 = 0$

$\Rightarrow x^2 + 5x + 4x + 20 = 0$

$\Rightarrow x (x + 5) + 4 (x + 5) = 0$

$\Rightarrow (x + 4) (x + 5) = 0$

$\therefore$ x = –4 or –5

II. $y^2 + 7y + 12 = 0$

$\Rightarrow y^2 + 4y + 3y + 12 = 0$

$\Rightarrow y (y + 4) + 3 (y + 4) = 0$

$\Rightarrow (y + 3) (y + 4) = 0$

$\therefore$ y = –3 or –4

Clearly, $x \leq y$

78. (4) I. $x^2 = 529$

$\therefore$ $x = \pm 23$

II. $y = \sqrt{529}$ = 23

Clearly, $x \leq y$

79. (2) I. $x^2 + 13x + 42 = 0$

$\Rightarrow x^2 + 7x + 6x + 42 = 0$

$\Rightarrow x (x + 7) + 6 (x + 7) = 0$

$\Rightarrow (x + 6) (x + 7) = 0$

$\therefore$ x = –6 or –7

II. $y^2 + 16y + 63 = 0$

$\Rightarrow y^2 + 9y + 7y + 63 = 0$

$\Rightarrow y (y + 9) + 7 (y + 9) = 0$

$\Rightarrow (y + 9) (y + 7) = 0$

$\therefore$ y = –9 or –7

Clearly, $x \geq y$

80. (3) I. $2x + 3y = 14$

II. $4x + 2y = 16$

By equation 1 × 2 – equation II, we have

$4x + 6y - 4x - 2y = 28 - 16$

$\Rightarrow 4y = 12$

$\Rightarrow y = \dfrac{12}{4}$ = 3

From equation I,

$2x + 3 \times 3 = 14$

$\Rightarrow 2x = 5$

$\Rightarrow x = \dfrac{5}{2}$

Clearly, $x < y$

English

141. (1) Change 'in remanding' into 'on remand'.
142. (3) Change 'to be' into 'being'.
143. (5) No error.
144. (2) Replace 'being' into 'was'.
145. (1) Change 'present' into 'presents'.
146. (4) Remove 'been'.
147. (5) No error.
148. (3) Change 'has been' into 'have been'.
149. (2) Change 'emphasize' into 'emphasizes'.
150. (4) Replace 'are' by 'is'.

VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Outlook	a person's point of view or general attitude to life	दृष्टिकोण
essntial	absolutely necessary	अत्यावश्यक, अनिवार्य
Equity	the quality of being fair and impartial	निष्पक्षता
Grave	serious or critical	गंभीर, संगीन
Mainstay	a thing on which something else is based or depends	आधार, सहारा
Untapped	available but not yet used	अप्रयुक्त
Perpetrators	culprit	अपरोधी, दोषी
Holistic	considering a whole thing or being to be more than a collection of parts	समग्र
Verdant	(of countryside) green with grass or other rich vegetation	हरा–भरा
Embark on	to start to do something new or difficult	शुरूआत करना
Conviction	a firmly held belief or opinion	दृढ़ विश्वास
Emphatic	showing or giving emphasis	प्रभावी

IBPS CLERK / RRB MAIN MOCK TEST-74 (ANSWER KEY)

1. (1)	41. (1)	81. (2)	121. (2)	161. (3)
2. (3)	42. (1)	82. (3)	122. (3)	162. (4)
3. (2)	43. (2)	83. (1)	123. (4)	163. (5)
4. (4)	44. (2)	84. (5)	124. (5)	164. (4)
5. (4)	45. (5)	85. (3)	125. (4)	165. (5)
6. (3)	46. (3)	86. (1)	126. (1)	166. (4)
7. (1)	47. (4)	87. (2)	127. (4)	167. (2)
8. (4)	48. (1)	88. (2)	128. (5)	168. (2)
9. (1)	49. (4)	89. (2)	129. (1)	169. (5)
10. (1)	50. (1)	90. (4)	130. (3)	170. (3)
11. (4)	51. (2)	91. (3)	131. (2)	171. (1)
12. (2)	52. (4)	92. (1)	132. (3)	172. (3)
13. (3)	53. (1)	93. (2)	133. (2)	173. (4)
14. (4)	54. (2)	94. (1)	134. (5)	174. (3)
15. (2)	55. (5)	95. (3)	135. (1)	175. (3)
16. (3)	56. (2)	96. (4)	136. (3)	176. (2)
17. (1)	57. (5)	97. (1)	137. (2)	177. (4)
18. (5)	58. (4)	98. (5)	138. (1)	178. (2)
19. (2)	59. (3)	99. (3)	139. (5)	179. (5)
20. (1)	60. (4)	100. (2)	140. (4)	180. (1)
21. (5)	61. (5)	101. (2)	141. (1)	181. (5)
22. (3)	62. (3)	102. (5)	142. (3)	182. (3)
23. (2)	63. (3)	103. (1)	143. (5)	183. (1)
24. (1)	64. (1)	104. (4)	144. (2)	184. (5)
25. (1)	65. (5)	105. (3)	145 (1)	185. (4)
26. (3)	66. (2)	106. (2)	146. (4)	186. (1)
27. (1)	67. (4)	107. (3)	147. (5)	187. (5)
28. (5)	68. (3)	108. (1)	148. (3)	188. (1)
29. (4)	69. (3)	109. (5)	149. (2)	189. (3)
30. (2)	70. (3)	110. (2)	150. (4)	190. (1)
31. (5)	71. (3)	111. (3)	151. (2)	191. (2)
32. (1)	72. (1)	112. (4)	152. (4)	192. (3)
33. (2)	73. (5)	113. (3)	153. (1)	193. (4)
34. (1)	74. (4)	114. (1)	154. (5)	194. (4)
35. (2)	75. (1)	115. (2)	155. (3)	195. (2)
36. (2)	76. (1)	116. (3)	156. (2)	196. (2)
37. (5)	77. (4)	117. (2)	157. (5)	197. (5)
38. (5)	78. (4)	118. (2)	158. (1)	198. (5)
39. (4)	79. (2)	119. (1)	159. (5)	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:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003