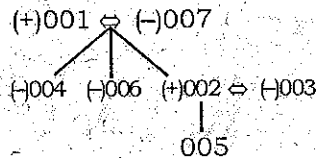


Bank Solution (13 Jan - 17)

REASONING

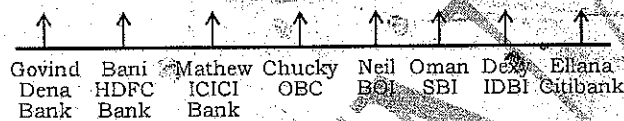
(1-6):



Row ↓	Column 1	column 2	column 3
Front	(+)001		(-)003
Middle	(-)005	(-)007	(+)002
Back	(-)004		(+)006

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

(7-11)



7. (2) 8. (1) 9. (4)
10. (1) 11. (3)

(12-17):

Person	Floor	Super Hero
Orija	8	Wolverine
Kelly	7	Batman
Raymond	6	Thor
Nestle	5	Captain America
Leone	4	Nova
Kangana	3	Superman
Max	2	Ironman
Pamela	1	Hulk

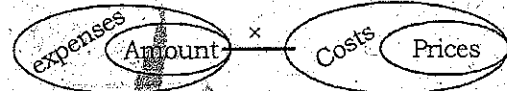
12. (1) 13. (*) 14. (4)
15. (5) 16. (1) 17. (3)
18. (5) 19. (3) 20. (4)

(21-25):

Few → gs farming → li
organic → cr waste → mk
fertilizer → nb

21. (1) 22. (2) 23. (3)
24. (3) 25. (1) 26. (1)
27. (1) 28. (4)

(29-30):



29. (2) 30. (5)

(31-32)

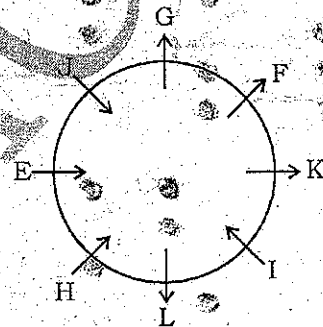


31. (2) 32. (1)



33. (1)

(34-39):



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

Maths

41. (2) ? = $\frac{3}{7} \times \frac{4}{9} \times \frac{2}{5} \times 3719 = 283.35 \approx 283$

42. (3) ? = $0.008 + 6.009 \div (0.7)^2$
 $= 0.008 + \frac{6.009}{0.7 \times 0.7}$

$= 0.008 + 12.26 = 12.27 \approx 12$

43. (5) ? $\approx (92 \times 7) \div (3.8 \times 5.5)$
 $= 644 \div 20.9 = 30.81 \approx 31$

44. (4) ? = $\frac{98 \times 785}{285 \times 285} = 0.94 \approx 0.9$

45. (1) ? = $\sqrt{749} \times 0.56 \approx 14.38$
 $\approx 27 \times 0.6 + 14.38$
 $= 16.2 + 14.38$
 $= 30.58 \approx 30$

46. (4) Total share sold by companies P, R and T in the year 2001

$$= 2400 \times \frac{12.5}{100} + 6000 \times \frac{8}{100} + 4500 \times \frac{15}{100}$$

$$= 300 + 480 + 675 = 1455$$

$$\square \text{ Required \%} = \frac{1455}{6000} \times 100\% = 24.25\%$$

47. (1) Required average

$$\frac{2400 \times \frac{18}{100} + 4000 \times \frac{12.5}{100} + 6000 \times \frac{75}{100} + 3500 \times \frac{30}{100} + 4500 \times \frac{40}{100}}{5}$$

$$= \frac{432 + 500 + 4500 + 1050 + 1800}{5} = \frac{8282}{5}$$

$$= 1656.40$$

48. (5) Total unsold share by companies P, T and Q in the year 2005

$$= 2400 \times \frac{90}{100} + 4500 \times \frac{65}{100} + 4000 \times \frac{25}{100}$$

$$= 2160 + 2925 + 1000 = 6085$$

Total unsold share by companies P, T and Q in the year 2004

$$= 2400 \times \frac{82}{100} + 4500 \times \frac{60}{100} + 4000 \times \frac{87.5}{100}$$

$$= 1968 + 2700 + 3500 = 8168$$

$$\square \text{ Required difference} = 8168 - 6085 = 2083$$

49. (2) Required average

$$= \frac{6000 \times \frac{8}{100} + 6000 \times \frac{6}{100} + 4000 \times \frac{75}{100} + 3500 \times \frac{35}{100}}{5}$$

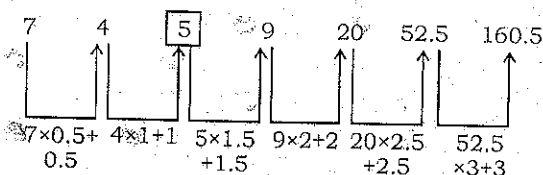
$$= \frac{6000 \times \frac{164}{100}}{5} = \frac{9840}{5} = 1968$$

50. (1) Required average

$$= 2400 \times \frac{60}{100} + 4000 \times \frac{65}{100} = 3500 \times \frac{55}{100}$$

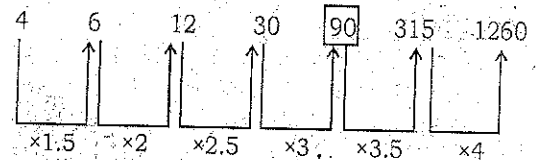
$$= 1440 + 2600 + 1925 = 5965$$

51. (1) The given number series is based on the following pattern



Hence the wrong number is 6.

52. (2) The given number series is based on the following pattern:



Hence, the wrong number is 75

53. (4) The given number series is based on the following pattern

$$4 - 3 = 1^2$$

$$13 - 4 = 9 = 3^2$$

$$38 - 13 = 25 = 5^2$$

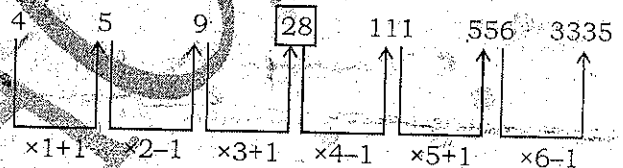
$$87 - 38 = 49 = 7^2$$

$$168 - 87 = 81 = 9^2$$

$$289 - 168 = 121 = 11^2$$

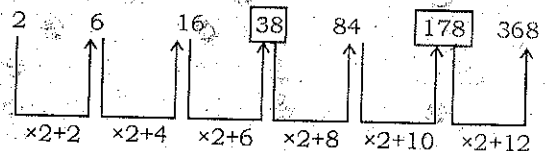
Obviously, 166 is the wrong number.

54. (3) The number series follows the rule as mentioned below



Hence 29 is the wrong number.

55. (5) The followed pattern is:



Hence the wrong number is 176.

- (56-60):

56. (1) Required total no. of students = 450 + 200 + 500 + 350 = 650 = 2150

57. (4) Required total no. of students = 700 + 650 + 600 + 350 = 2300

58. (3) Total no. of students hired for Mumbai city = 500 + 400 + 300 + 200 = 1400

Total no. of students hired for Patna city = 700 + 650 + 600 + 350 = 2300

\therefore Required difference = 2300 - 1400 = 900

59. (5) Required average

$$= \frac{350 + 300 + 400 + 700 + 300}{5} = \frac{2050}{5}$$

$$= 410$$

60. (5) Total no. of student hired by all companies for Kolkata city = 650 + 550 + 450 + 300

$$= 1950 \text{ and its average} = \frac{1950}{5} = 390$$

$$\square \text{ Required difference} = 1950 - 390 = 1560$$

61. (1) According to question,
Work done by A and B in 5 days

$$= \left(\frac{1}{10} + \frac{1}{15} \right) \times 5 = \frac{5}{6}$$

$$\text{Rest Work} = 1 - \frac{5}{6} = \frac{1}{6}$$

∴ C alone can do the work in $6 \times 2 = 12$ days

$$\text{Ratio of their work} = \frac{5}{10} : \frac{5}{15} : \frac{2}{12} = 3 : 2 : 1$$

$$\therefore \text{A receive} = \frac{450}{6} \times 3 = ₹ 225$$

$$\text{B receive} = \frac{450}{6} \times 2 = ₹ 750 = ₹ 75$$

$$\text{and C receive} = \frac{450}{6} \times 1 = ₹ 75$$

62. (3) $5x + 9x + 4x = 72 \times 3$

$$\Rightarrow 18x = 72 \times 3$$

$$\therefore x = \frac{72 \times 3}{18} = 12 \text{ kmph}$$

$$\therefore \text{Average speed of car and train} = \frac{5x + 9x}{2}$$

$$= 7x = 7 \times 12 = 84 \text{ kmph}$$

63. (3) Interest = $3456 - 3200 = ₹ 256$

$$\text{Rate} = \frac{\text{S.I.} \times 100}{\text{Principal} \times \text{Time}} = \frac{256 \times 100}{3200 \times 2}$$

$$= 4\% \text{ per annum}$$

64. (1) Let P's share be $6x$

Q's share be $19x$ and

R's share be $7x$.

$$\text{Total sum} = 6x + 19x + 7x = 32x$$

$$6x : 19x + 200 : 7x - 200 = 3 : 10 : 3$$

We can write

$$6x = 7x - 200 \text{ or, } x = 200$$

$$\text{Total sum} = 32x = ₹ 6400$$

65. (1) Let the cost price of the article be ₹ x .

According to the question,

$$1516 - x = x - 1112$$

$$\Rightarrow 2x = 1516 + 1112 = 2628$$

$$\Rightarrow x = \frac{2628}{2} = ₹ 1314$$

66. (1) If the height of the papaya tree two years ago be x cm, then

$$540 = x \left(1 + \frac{20}{100} \right)^2$$

$$\Rightarrow 540 = x \times \frac{36}{25} \Rightarrow x = \frac{540 \times 25}{36} = 375 \text{ cm}$$

67. (5) Ratio of the earned profit = Ratio of the equivalent capital of Ena and Akanksha

$$= 45000 \times 12 : 52000 \times 4$$

$$= 45 \times 3 : 52 = 135 : 52$$

$$\text{Sum of ratios} = 135 + 52 = 187$$

∴ Akanksha's share

$$= ₹ \left(\frac{52}{187} \times 56165 \right) = ₹ 156180.07$$

68. (2) By question, Profit per cent or loss per cent

$$= +25 - 12 - \frac{25 \times 12}{100} = +10\%$$

As the sign is +ve so, there is profit of 10%.

69. (2) Difference

$$\Rightarrow \text{Principal} \left(\frac{\text{Rate}^2}{10000} \right)$$

$$\Rightarrow 32 = 5000 \left(\frac{r^2}{10000} \right)$$

$$\Rightarrow r^2 = 32 \times 2 = 64$$

$$\Rightarrow r = 8\% \text{ per annum}$$

70. (2) Mean of set A = $\frac{376}{8} = 47$

The lowest number of second set

$$= 47 + 15 = 62$$

$$\therefore \text{Required} = 62 + 63 + 64 + 65 + 66$$

$$= 320$$

71. (2) Total Marks in Unit Test - 2 in (Physics + Chemistry + Math)

$$= \frac{800}{100} (18.125 + 18 + 21.75)$$

$$= 8 \times 57.575 = 463$$

72. (3) Chemistry = $800 \times \frac{18}{100} = 144$

$$\text{English} = 750 \times \frac{18}{100} = 135$$

$$\therefore \text{Difference} = 144 - 135 = 9$$

73. (3) $GK_I = 750 \times \frac{10}{100} = 75$

$$GK_{II} = 800 \times \frac{12.375}{100} = 99$$

$$\therefore \% \text{ Rise} = \left(\frac{99 - 75}{100} \times 100 \right) \%$$

$$= \frac{2400}{75} = 32\%$$

74. (4) $\text{Math}_1 = 750 \times \frac{20}{100} = 150$

$\text{Math}_2 = 800 \times \frac{21.75}{100} = 174$

$\therefore \text{Reqd \%} = \left(\frac{174}{150} \times 100 \right) \% = 116\%$

75. (3) Physics (Test-I + Test-II)

$= 750 \times \frac{22}{100} + 800 \times \frac{18.125}{100}$

$= 165 + 145 = 310$

Hindi (Test-I + Test-II)

$= 750 \times \frac{14}{100} + 800 \times \frac{16.25}{100}$

$= 105 + 130 = 235$

$\therefore \text{Reqd \%} = \left(\frac{310 - 235}{235} \times 100 \right) \%$

$= 31.91\% \approx 32\%$

76. (4) I. $x^2 - 19x + 84 = 0$

$\Rightarrow x^2 - 12x - 7x + 84 = 0$

$\Rightarrow x(x-12) - 7(x-12) = 0$

$\Rightarrow (x-7)(x-12) = 0$

$\therefore x = 7 \text{ or } 12$

II. $y^2 - 25y + 156 = 0$

$\Rightarrow y^2 - 12y - 13y + 156 = 0$

$\Rightarrow y(y-12) - 13(y-12) = 0$

$\Rightarrow (y-13)(y-12) = 0$

$\therefore y = 13 \text{ or } 12$

Clearly, $x \leq y$

77. (2) I. $x^3 = 1729 + 468 = 2197$

$\therefore x = \sqrt[3]{2197} = 13$

II. $y^2 = 1733 - 1564 = 169$

$\therefore y = \pm 13$

Clearly, $x \geq y$

78. (5) I. $9 + 19 = \sqrt{x} \times \sqrt{x}$
 $\Rightarrow x = 28$

II. $y^5 \times y^{\frac{11}{2}} = (28)^{\frac{11}{2}}$

$\Rightarrow y^{\frac{11}{2}} = (28)^{\frac{11}{2}}$

$\Rightarrow y = 28$

Clearly, $x = y$

79. (1) I. $\sqrt{784}x = 1486 - 1234 = 252$

$\Rightarrow x = \frac{252}{28} = 9$

II. $\sqrt{1089}y = 2345 - 2081 = 264$

$\Rightarrow 33y = 264$

$\Rightarrow y = \frac{264}{33} = 8$

Clearly, $x > y$

80. (1) I. $12 - 23 = 5\sqrt{x} \times \sqrt{x}$

$\Rightarrow -11 = 5x$

$\Rightarrow x = \frac{-11}{5}$

II. $\frac{\sqrt{y} - 5\sqrt{y}}{12} = \frac{1}{\sqrt{y}}$

$\Rightarrow -4\sqrt{y} \times \sqrt{y} = 12$

$\Rightarrow -4y = 12$

$\Rightarrow y = -3$

Clearly, $x > y$

VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Tantamount	equivalent in value, significance	बराबर
Akin	similar in quality or character	एक समान
Sporadically	occasionally or at intervals that are not regular	कभी कभी
Aristocracy	people born in the highest social class, who have special titles	उच्चवर्ग
Depicted	to show an image of somebody/something in a picture	चित्रित
Abysmal	extremely bad or of a very low standard	बहुत ही खराब
Arduous	hard to accomplish, involving a lot of effort	कठिन
Alliance	an agreement between countries, political parties, etc. to work together in order to achieve something that they all want	गठबंधन
Elevating	making people think about serious and interesting subjects	उन्नत करने वाला
Inclining	the act of inclining; bending forward	झुकाव
Precursor	a person or thing that came before and influenced somebody/something else that is similar	अग्रगामी
Stifles	to prevent something from happening; to prevent a feeling from being expressed	रुबाना

Bank Answer Key (13 Jun-14)

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