

BANK PRE MOCK TEST – 1(SOLUTION)

(1-5):

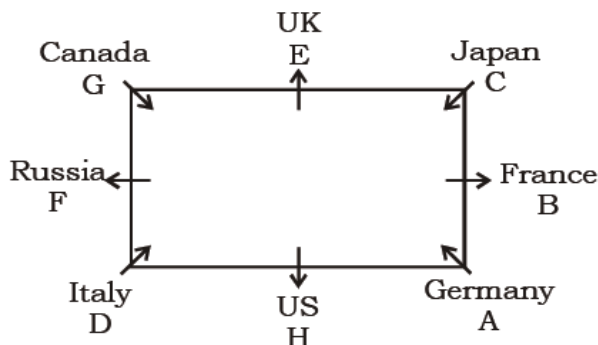
3 to 5 Lakh	6 to 8 Lakh	10 to 13 Lakh
D – 5 Lakh Marketing	E – 8 Lakh Computer	F – 12 Lakh Maths
C – 3 Lakh Reasoning	A – 7 Lakh English	B – 11 Lakh General Knowledge
—	—	G – 10 Lakh General Awareness

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

(6 - 10):

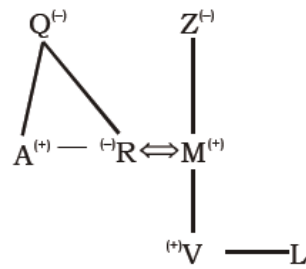
6. (1) $A < Y = B \leq X = C \geq Z$
I. $A < C \rightarrow$ True
 $K \geq R, S \geq J \geq R$
II. $A = C \rightarrow$ False
Only conclusion I is true
7. (1) $P \leq A < R \leq J$
I. $P < J \rightarrow$ True
II. $S \geq K \rightarrow$ False
Only conclusion I is true
8. (2) $P \leq A < R = K < J \leq S$
I. $A > J \rightarrow$ False
II. $S > P \rightarrow$ True
Only conclusion II is true
9. (4) $P < A > S \geq T = F < D$
I. $T \geq P \rightarrow$ False
II. $D > S \rightarrow$ False
Neither conclusion I nor II is true
10. (1) $N \geq P \geq T > S$
I. $N > S \rightarrow$ True
 $O < P \leq N < L$
II. $O > L \rightarrow$ False
Only conclusion I is true

(11-15):



11. (1) 12. (3) 13. (5)
14. (5) 15. (1)

(16-18):

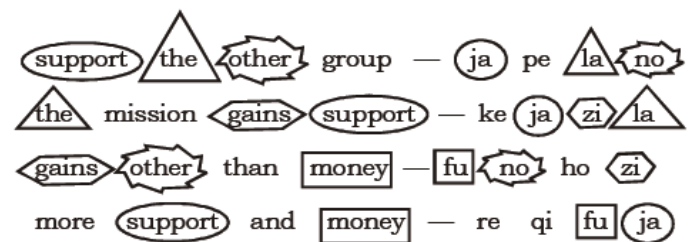


16. (2) 17. (4) 18. (5)
(19-23):

Floor	Person	Company
7	Aman	Nike
6	Ehshan	Spark
5	Bharat	Puma
4	Fazal	Reebok
3	Chetan	Woodland
2	Gaurav	Fila
1	Dayal	Adidas

19. (5) 20. (2) 21. (4)
22. (1) 23. (3)

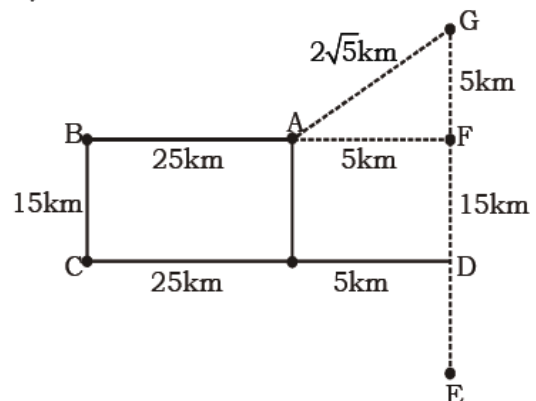
(24-28):



support - ja **gains - zi**
money - fu **the - la**
other - no

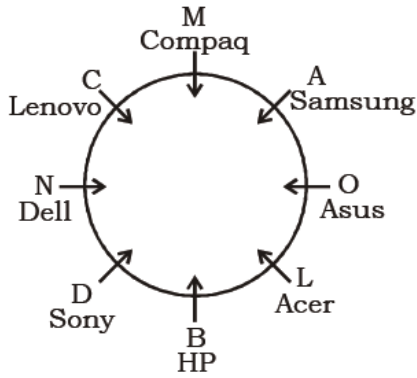
24. (2) 25. (5) 26. (1)
27. (3) 28. (1)

(29-30):



29. (3) 30. (2)

(31-35):



31. (4) 32. (3) 33. (4)
 34. (3) 35. (2)

(36-40):

36. (4) $7999.99 + 72 \times 49.99 = ?$
 $\Rightarrow ? \approx 8000 + 72 \times 50$
 $\Rightarrow 8000 + 36000 = 11600$
37. (3) $8044.986 + 3250.005 + 149.996 = ?$
 $\Rightarrow ? \approx 8045 + 3250 + 150 = 11445$
38. (2) $14.001 \times 26.99 \times 7.998 = ?$
 $\Rightarrow ? \approx 14 \times 27 \times 8 = 3024 \approx 3000$
39. (4) $23.999 \times 9.004 \times 16.997 = ?$
 $\Rightarrow ? \approx 24 \times 9 \times 17 = 3672 \approx 3700$
40. (3) $\sqrt{\frac{34.999 \times 99.999 \div 5.045}{+750.0003 \div 24.999}} = ?$
 $= ? \approx \sqrt{35 \times 100 \div 5 + 750 \div 25}$
 $= \sqrt{35 \times 20 + 30} = \sqrt{700 + 30}$
 $= \sqrt{730} = 27.01 \approx 27$

(41-45):

41. (3) Total manes obtained by Q in all the subjects together
 $= 75 + 90 + 82 + 54 + 38 + 60 = 399$
 \therefore Required % $= \left(\frac{399}{600} \times 100 \right) \% = 66.5\%$
42. (5) Total marks obtained by P in all the subjects together
 $= 84 + 66 + 73 + 61 + 24 + 52 = 360$
 Total marks obtained by U in all the subjects together
 $= 142 + 84 + 48 + 81 + 42 + 38 = 435$
 \therefore Required ratio $= 360 : 435 = 72 : 87$
43. (1) Required average
 $= \frac{66 + 90 + 48 + 75 + 78 + 84}{6}$
 $= \frac{441}{6} = 73.5$

44. (2) Total marks obtained by all the students together in Maths
 $= 84 + 75 + 96 + 128 + 108 + 142$
 $= 633$

\therefore Required average $= \frac{633}{6} = 105.5$

45. (4) Total marks obtained by T in all the subjects together
 $= 108 + 78 + 78 + 70 + 39 + 48 = 421$
 Total marks obtained by P in all the subjects together
 $= 84 + 66 + 73 + 61 + 24 + 52 = 360$

\therefore Required more%
 $= \left(\frac{421 - 360}{360} \times 100 \right) \%$
 $= 16.94\% \approx 17\%$

(46-50):

46. (4) The number series is as follows:
 $400 \times 0.6 = 240$
 $240 \times 0.6 = 144$
 $144 \times 0.6 = 86.4$
 $86 \times 0.6 = 51.84$
 $51.84 \times 0.6 = 31.104$
 $31.104 \times 0.6 = \mathbf{18.6624}$
47. (2) The number series is as follows:
 $4 \times 1.5 = 6$
 $6 \times 1.5 = 9$
 $9 \times 1.5 = 13.5$
 $13.5 \times 1.5 = 20.25$
 $20.25 \times 1.5 = 30.375$
 $30.375 \times 1.5 = \mathbf{45.5625}$
48. (3) The number series is as follows:
 $13 \times 1 + 1 = 14$
 $14 \times 2 + 2 = 30$
 $30 \times 3 + 3 = 93$
 $93 \times 4 + 4 = 376$
 $376 \times 5 + 5 = 1885$
 $1885 \times 6 + 6 = \mathbf{11316}$
49. (1) The number series is as follows:
 $9 \times 0.5 = 4.5$
 $4.5 \times 1 = 4.5$
 $4.5 \times 1.5 = 6.75$
 $6.75 \times 2 = 13.5$
 $13.5 \times 2.5 = 33.75$
 $33.75 \times 3 = \mathbf{101.25}$

50. (4)
- | | | | | | |
|-------|-----|-------|-----|----------|------------|
| 225 | 231 | 249 | 287 | 353 | 455 |
| └─┬─┘ | | └─┬─┘ | | └─┬─┘ | |
| +6 | | +18 | | +66 +102 | |
| └─┬─┘ | | └─┬─┘ | | └─┬─┘ | |
| +12 | | +20 | | +28 +36 | |
| └─┬─┘ | | └─┬─┘ | | └─┬─┘ | |
| +8 | | +8 | | +8 | |

51. (2) Let the C.P of Laptop = ₹ 100

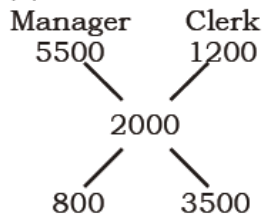
$$\therefore \text{S.P} = 100 \times \frac{120}{100} = ₹ 120$$

$$\therefore \text{MP} = \frac{120}{90} \times 100 = ₹ \frac{400}{3}$$

$$\therefore \text{Required\%} = \left[\frac{\frac{400}{3} - 100}{100} \times 100 \right] \%$$

$$= \frac{100}{3} \% = 33\frac{1}{3} \%$$

52. (2)



\therefore Ratio between no. of manager and clerk = 8 : 35

$$\therefore \text{No. of clerk} = \frac{160}{8} \times 35 = 700$$

53. (1) Milk = 54 litres

Water = 6 litres

Let the water mixed with it be x litres

ATQ,

$$(60 + x) \times \frac{25}{100} = 6 + x$$

$$\Rightarrow 15 + \frac{x}{4} = 6 + x$$

$$\Rightarrow 15 - 6 = x - \frac{x}{4}$$

$$\Rightarrow \frac{3x}{4} = 9$$

$$\Rightarrow x = 12 \text{ litres}$$

54. (2) Ratio of profit between Amit, Kumar and Sohan

$$= (15000 \times 12) : (12000 \times 4 + 8000 \times 8):$$

$$(16000 \times 4 + 10000 \times 8)$$

$$= 180000 : 112000 : 144000$$

$$= 45 : 28 : 36$$

\therefore Kumar's share in the profit

$$= \frac{54500}{109} \times 2 = ₹ 14,000$$

$$55. (4) \text{Average speed} = \frac{36 + 36}{\frac{36}{15} + \frac{36}{10}}$$

$$= \frac{72}{2.4 + 3.6} = \frac{72}{6} = 12 \text{ km/hr}$$

(56-60):

56. (2) Required decrease%

$$= \left(\frac{70 - 64}{70} \times 100 \right) \% = 8\frac{4}{7} \%$$

57. (5) Required average

$$= \frac{55 + 48 + 75 + 50}{4} = 57$$

58. (3) Average production of sugar in India

$$= \frac{70 + 64 + 45 + 60 + 60 + 73}{6}$$

$$= \frac{372}{6} = 62$$

\therefore Required ratio = 73 : 62

59. (3) Total production of sugar in India

$$= 70 + 64 + 45 + 60 + 60 + 73 = 372$$

$$\text{Total production of sugar in China}$$

$$= 55 + 48 + 75 + 50 + 64 + 58 = 350$$

\therefore Required difference

$$= 372 - 350 = 22$$

60. (2) Increase in the year

$$2009 = \left(\frac{75 - 48}{48} \times 100 \right) \% = 56.25$$

$$2011 = \left(\frac{64 - 50}{50} \times 100 \right) \% = 28\%$$

$$2012 = \left(\frac{73 - 60}{60} \times 100 \right) \% = 21.66\%$$

61. (2) Let the quantity in P be x litres and that of Q be $3x$ litres.

$$\text{Milk in vessel P} = x \times \frac{40}{100} = \frac{2x}{5} \text{ litres}$$

$$\therefore \text{Water} = \frac{3x}{5} \text{ litres}$$

$$\text{Milk in vessel Q} = 3x \times \frac{40}{100}$$

$$= \frac{6x}{5} \text{ litres}$$

$$\therefore \text{Water} = \frac{9x}{5} \text{ litres}$$

ATQ,

$$\frac{\frac{2x}{5} + \frac{6x}{5}}{\frac{3x}{5} + \frac{9x}{5} + 10} = \frac{4}{11}$$

$$\Rightarrow \frac{8x}{12x + 50} = \frac{4}{11}$$

$$\Rightarrow 88x = 48x + 200$$

$$\Rightarrow 40x = 200$$

$$\Rightarrow x = 5 \text{ litres}$$

$$62. (1) R = 30\% = \frac{3}{10} \times \frac{10}{13}$$

$$P = 1000 \quad 2197 = A$$

$$C.I = 2197 - 1000 = 1197$$

$$SI = \frac{1000 \times 30 \times 3}{100} = 900$$

$$\therefore \text{Required more\%} = \left(\frac{1197 - 900}{900} \times 100 \right)\% = 33\%$$

$$63. (4) \text{ Required probability}$$

$$= \frac{4C_2 + 2C_3 + 3C_2}{9C_2}$$

$$= \frac{6 + 1 + 3}{36} = \frac{10}{36} = \frac{5}{18}$$

$$64. (3)$$

$$65. (2) \text{ Relative speed} = 57 + 33 = 90 \text{ km/hr}$$

\therefore Total distance covered in 18 seconds

$$= 90 \times \frac{5}{18} \times 18 = 450 \text{ m}$$

Ratio between length of first and second train = 2 : 1

\therefore Length of first train

$$= \frac{450}{3} \times 2 = 300 \text{ m}$$

Now, total distance covered in 1.2

$$\text{minutes i.e. 72 seconds} = 57 \times \frac{5}{18} \times 72$$

$$= 1140 \text{ m.}$$

\therefore Length of platform

$$= 1140 - 300 = 840 \text{ m.}$$

(66-70):

$$66. (5) \text{ I. } 4x + 7y = 209$$

$$\text{II. } 12y - 14y = -38$$

From (I) $\times 2$ + (II), we get

$$8x + 14y + 12x - 14y = 418 - 38$$

$$\Rightarrow 20x = 380$$

$$\Rightarrow x = 19$$

Put the value of x in equation (i),

$$4 \times 19 + 7y = 209$$

$$\Rightarrow 7y = 133$$

$$\Rightarrow y = 19$$

Clearly, $x = y$

$$67. (1) \text{ I. } 17x^2 + 26x = -9$$

$$\Rightarrow 17x^2 + 26x + 9 = 0$$

$$\Rightarrow 17x^2 + 17x + 9x + 9 = 0$$

$$\Rightarrow 17x(x + 1) + 9(x + 1) = 0$$

$$\Rightarrow x = \frac{-9}{17}, -1$$

$$\text{II. } 13y^2 = 32y - 12$$

$$\Rightarrow 13y^2 - 32y + 12 = 0$$

$$\Rightarrow 13y^2 - 32y + 12 = 0$$

$$\Rightarrow 13y^2 - 26y - 6y + 12 = 0$$

$$\Rightarrow 13y(y - 2) - 6(y - 2) = 0$$

$$\Rightarrow y = \frac{6}{13}, 2$$

Clearly, $x < y$

$$68. (1) \text{ I. } 16x^2 + 20x + 6 = 0$$

$$\Rightarrow 16x^2 + 8x + 12x + 6 = 0$$

$$\Rightarrow 8x(2x + 1) + 6(2x + 1) = 0$$

$$\Rightarrow x = \frac{-6}{8}, \frac{-1}{2}$$

$$\text{II. } 10y^2 + 38y + 24 = 0$$

$$\Rightarrow 5y^2 + 19y + 12 = 0$$

$$\Rightarrow 5y^2 + 15y + 4y + 12 = 0$$

$$\Rightarrow 5y(y + 3) + 4(y + 3) = 0$$

$$\Rightarrow y = \frac{-4}{5}, -3$$

Clearly, $x > y$

$$69. (4) \text{ I. } 8x^2 + 6x = 5$$

$$\Rightarrow 8x^2 + 6x - 5 = 0$$

$$\Rightarrow 8x^2 - 4x + 10x - 5 = 0$$

$$\Rightarrow 4x(2x - 1) + 5(2x - 1) = 0$$

$$\Rightarrow x = -\frac{5}{4}, \frac{1}{2}$$

$$\text{II. } 12y^2 + 22y + 8 = 0$$

$$\Rightarrow 6y^2 - 11y + 4 = 0$$

$$\Rightarrow 6y^2 - 3y - 8y + 4 = 0$$

$$\Rightarrow 6y^2 - 11y + 4 = 0$$

$$\Rightarrow 3y(2y - 1) - 4(2y - 1) = 0$$

$$\Rightarrow y = \frac{4}{3}, \frac{1}{2}$$

Clearly, $x \leq y$

$$70. (2) \text{ I. } 18x^2 + 18x + 4 = 0$$

$$\Rightarrow 9x^2 + 9x + 2 = 0$$

$$\Rightarrow 9x^2 + 3x + 6x + 2 = 0$$

$$\Rightarrow 3x(3x + 1) + 2(3x + 1) = 0$$

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

$$\text{II. } 12y^2 + 29y + 14 = 0$$

$$\Rightarrow 12y^2 + 8y + 21y + 14 = 0$$

$$\Rightarrow 4y(3y + 2) + 7(3y + 2) = 0$$

$$\Rightarrow 6y^2 - 11y + 4 = 0 \Rightarrow$$

$$\Rightarrow y = \frac{7}{4}, \frac{2}{3}$$

Clearly, $x \geq y$

BANK PRE MOCK TEST – 1(ANSWER KEY)

1. (1)	36. (4)	71. (5)
2. (5)	37. (3)	72. (2)
3. (3)	38. (2)	73. (4)
4. (2)	39. (4)	74. (1)
5. (1)	40. (3)	75. (4)
6. (1)	41. (3)	76. (5)
7. (1)	42. (5)	77. (2)
8. (2)	43. (1)	78. (5)
9. (4)	44. (2)	79. (2)
10. (1)	45. (4)	80. (5)
11. (1)	46. (4)	81. (1)
12. (3)	47. (2)	82. (3)
13. (5)	48. (3)	83. (2)
14. (5)	49. (1)	84. (4)
15. (1)	50. (4)	85. (1)
16. (2)	51. (2)	86. (1)
17. (4)	52. (2)	87. (3)
18. (5)	53. (1)	88. (1)
19. (4)	54. (2)	89. (1)
20. (2)	55. (4)	90. (3)
21. (4)	56. (2)	91. (5)
22. (1)	57. (5)	92. (1)
23. (3)	58. (3)	93. (4)
24. (2)	59. (3)	94. (1)
25. (5)	60. (2)	95. (3)
26. (1)	61. (2)	96. (3)
27. (3)	62. (1)	97. (1)
28. (1)	63. (4)	98. (3)
29. (3)	64. (3)	99. (5)
30. (2)	65. (2)	100. (2)
31. (4)	66. (5)	
32. (3)	67. (3)	
33. (4)	68. (1)	
34. (3)	69. (4)	
35. (2)	70. (2)	