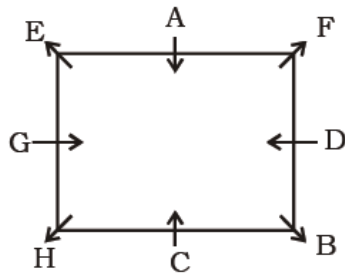


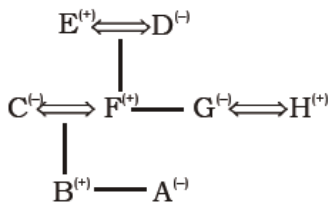
BANK PRE MOCK TEST – 3 (SOLUTION)

REASONING

(1-5):

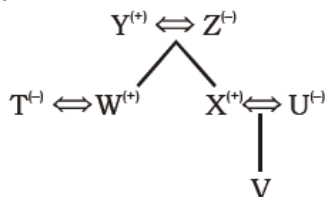


Family Tree



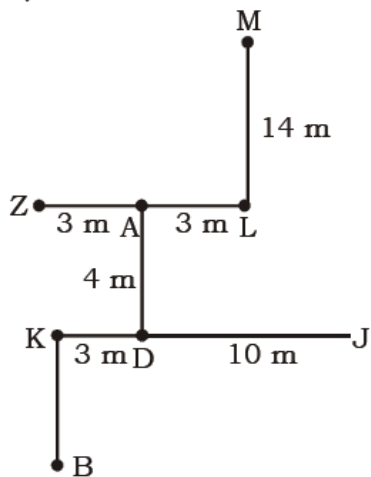
1. (1) 2. (2) 3. (3)
 4. (1) 5. (1)

(6-10):



6. (2) 7. (3) 8. (1)
 9. (1) 10. (2)

(11-13):



11. (2) 12. (1) 13. (1)

(14-18):

14. (1) $H > E \geq B = A \geq D$
 I. $H > D \rightarrow$ True
 $D \leq B > C$
 II. $D \leq C \rightarrow$ False
 Only conclusion I is true

(15-16):

15. (4) $T < Q > P \leq W$
 I. $T \geq W \rightarrow$ False
 II. $Q = W \rightarrow$ False
 Neither conclusion I nor II is true
 16. (5) $T < Q \leq V$
 I. $V > T \rightarrow$ True
 $T < Q \leq R = S$
 II. $T < S \rightarrow$ True
 Both conclusions I and II are true

(17-18):

17. (2) $C < B \leq A \leq K$
 I. $K \geq C \rightarrow$ False
 $C < B < J \leq L$
 II. $L > C \rightarrow$ True
 Only conclusion II is true
 18. (2) $L \geq J > B \leq A = W$
 I. $W \geq L \rightarrow$ False
 $K \geq A \geq B$
 II. $K \geq B \rightarrow$ True
 Only conclusion II is true

(19-23):

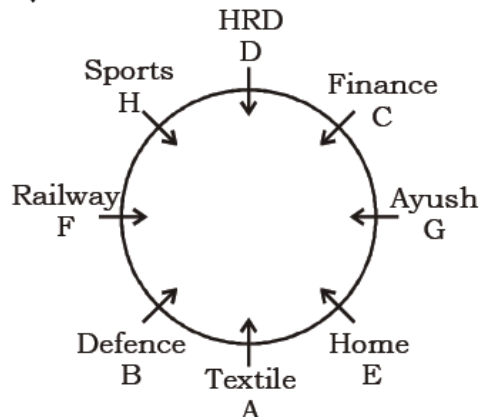
Floor	Position	Soft Drink	Fast Food
7	Q	Pepsi	Sandwich
6	P	Mirinda	Vada pao
5	U	Coke	Dosa
4	S	Frooti	Idli
3	T	Limca	Chow Mein
2	V	Thumsup	Burger
1	R	Sprite	Bread Chat

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

(24-26):

24. (5) 25. (5) 26. (3)

(27-31):



27. (1) 28. (3) 29. (3)
 30. (5) 31. (5)

(32-35) :

32. (5) Clearly, the birthday of P's mother can be found out from statement II and then P's birthday can be determined using the fact given in statement I. Thus, both the statements are required.
33. (4) From both the statements, we find that maximum (243×3) i.e, 729 persons visit the zoo, but the exact number cannot be determined.
34. (3) 'pee' represents 'smiling'
We can find the answers by Either the statement I or II alone.
35. (1) From I, $Q > P > M/K > M/K$

(36-40) :

36. (2) $(47.1)^2 - (7-9)^2 - (12.01)^2 = ?$
 $\Rightarrow ? \approx (47)^2 - (-2)^2 - (12)^2$
 $= 2209 - 4 - 144 = 2061 \approx 2070$
37. (5) $\sqrt{\sqrt{48} \div \sqrt{4900}} \times \sqrt{76} = 184 - ? \div 7$
 $\Rightarrow \sqrt{\sqrt{49} \div \sqrt{4900}} \times \sqrt{81} \approx 184 - ? \div 7$
 $\Rightarrow \sqrt{7 \div 70} \times 9 = 184 - ? \div 7$
 $\Rightarrow \frac{?}{7} = 184 - 2.85$
 $\Rightarrow ? = 1268.07 \approx 1267$
38. (4) $(10^{11} \times 3.465 + 10^{12} \times 0.253) \div (120 \times 10^5)$
 $= 10^? \div 2$
 $\Rightarrow 10^{11} (3.465 + 2.53) \div 120 \times 10^5 = 10^? \div 2$
 $\Rightarrow 10^{11} \times 6 \div 120 \times 10^5 \approx 10^? \div 2$
 $\Rightarrow 10^6 \times \frac{1}{20} \times 2 = 10^?$
 $\Rightarrow ? = 5$
39. (4) $\frac{1863 \div 6.5 - 184}{?} = 851 \div 37$
 $\Rightarrow \frac{103}{?} \approx 23$
 $\Rightarrow ? = \frac{103}{23} = 4.47 \approx 5$
40. (3) $(\sqrt{1756} \times \sqrt{567} \div \sqrt{477})^2 = ?$
 $\Rightarrow ? \approx (42 \times 24 \div 22)^2$
 $= 2099.30 \approx 2100$

(41-45) :

41. (4) $\frac{\sqrt{(15+24 \times 0.5)}}{\sqrt{10.2 \div ?}} = 3$
 $\Rightarrow \frac{\sqrt{27}}{\sqrt{10.2 \div ?}} = 3$
 $\Rightarrow \frac{27}{10.2 \div ?} = 9$
 $\Rightarrow \frac{27}{9} = 10.2 \div ?$
 $\Rightarrow ? = \frac{10.2}{3} = 3.4$
42. (2) $\sqrt{\left(2 + \frac{1}{144}\right)} \div \sqrt{\left(1 + \frac{49}{576}\right)} \times \frac{27}{34} = ? \div 25$
 $\Rightarrow \sqrt{\frac{289}{144}} \div \sqrt{\frac{625}{576}} \times \frac{27}{34} = ? \div 25$
 $\Rightarrow \frac{17}{12} \div \frac{25}{26} \times \frac{27}{34} = ? \div 25$
 $\Rightarrow \frac{17}{12} \times \frac{26}{25} \times \frac{27}{34} = \frac{?}{25}$
 $\Rightarrow ? = \frac{27}{25} \times 25$
 $\therefore ? = 27$
43. (5) $65 \times 9 \div ? - 101 = \sqrt{256}$
 $\Rightarrow \frac{65 \times 9}{?} = 16 + 101$
 $\Rightarrow ? = \frac{65 \times 9}{117} = 5$
44. (1) $1\frac{2}{3}$ of 1440 + 40% of 3550 - ? = 61^2
 $\Rightarrow \frac{5}{3} \times 1440 + \frac{40}{100} \times 3550 - ? = 3721$
 $\Rightarrow 2400 + 1420 - ? = 3721$
 $\Rightarrow ? = 3820 - 3721 = 99$
45. (2) $? \div \left(25\% \text{ of } 289 - 32\frac{3}{4}\right) = 0.2$
 $\Rightarrow ? \div \left(\frac{25}{100} \times 289 - \frac{131}{4}\right) = 0.2$
 $\Rightarrow ? \div 39.5 = 0.2$
 $\Rightarrow ? = 0.2 \times 39.5 = 7.9$

(46-50) :

46. (3) The number series is:

$$2 \times 7 = 14$$

$$14 \times 6 = 84$$

$$84 \times 5 = 420$$

$$420 \times 4 = 1680$$

$$1680 \times 3 = 5040$$

$$5040 \times 2 = \mathbf{10080}$$

47. (1) The number series is:

$$11^3 + 1 = 1332$$

$$12^3 + 1 = 1729$$

$$13^3 + 1 = 2198$$

$$14^3 + 1 = 2745$$

$$15^3 + 1 = \mathbf{3376}$$

48. (1) The number series is :

$$16 \times 0.5 = 8$$

$$8 \times 1 = 8$$

$$8 \times 1.5 = 12$$

$$12 \times 2 = 24$$

$$24 \times 2.5 = 60$$

$$60 \times 3 = \mathbf{180}$$

49. (3) The number series is :

$$1 \times 1 + 2 = 3$$

$$3 \times 2 + 3 = 9$$

$$9 \times 3 + 4 = 31$$

$$31 \times 4 + 5 = \mathbf{129}$$

$$129 \times 5 + 6 = 651$$

50. (5) The number series is :

$$1^2 + 1 = 2$$

$$2^2 - 1 = 3$$

$$3^2 + 1 = 10$$

$$4^2 - 1 = 15$$

$$5^2 + 1 = \mathbf{26}$$

51. (5) A : B = 2 : 1

and B : C = 7 : 3

$$\therefore A : B : C = 14 : 7 : 3$$

ATQ,

$$(7 + 3) \text{ unit} \rightarrow 25000$$

$$\therefore 14 \text{ unit} \rightarrow \frac{25000}{5} \times 14$$

$$= ₹ 70,000$$

52. (1) Principal = $\frac{3800 \times 100}{8 \times 5} = ₹ 9,500$

$$\text{Amount} = 9500 \left(1 + \frac{8}{100}\right)^2$$

$$= ₹ 11,080.80$$

\therefore Compound interest

$$= 11080.80 - 9500$$

$$= ₹ 1,580.80$$

53. (5) Required third number
 $= 344 \times 5 - (650 \times 2 + 100 \times 2)$
 $= 1720 - (1300 + 200)$
 $= 1720 - 1500 = 220$

54. (1) Required time = L.C.M of 30 and 90 minutes = 90 minutes

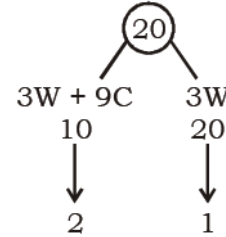
\therefore Required time

$$= 11 \text{ PM} + 90 \text{ minutes}$$

$$= 12 : 30 \text{ a.m.}$$

55. (3) \therefore 12 women work in 5 days

$$\therefore 3 \text{ women work in } \frac{12 \times 5}{3} = 20 \text{ days}$$



\therefore 9 children work in $\frac{20}{1} = 20$ days

\therefore 36 children work in $\frac{20 \times 9}{36} = 5$ days

(56-60) :

56. (3) Required ratio

$$= 900 \times \frac{23}{100} : 450 \times \frac{44}{100}$$

$$= 207 : 198$$

$$= 23 : 22$$

57. (5) Required total

$$= 840 \times \frac{55}{100} + 540 \times \frac{60}{100}$$

$$= 462 + 324 = 786$$

58. (4) Required% = $\left(\frac{360}{220} \times 100\right)\%$

$$= 163.63\% \approx 164\%$$

59. (1) Total no. of females in departments D and B together

$$= 360 \times \frac{65}{100} + 220 \times \frac{35}{100}$$

$$= 234 + 77 = 311$$

Total no. of males in department D and B together

$$= 360 \times \frac{35}{100} + 220 \times \frac{65}{100}$$

$$= 126 + 143 = 269$$

\therefore Required ratio = 311 : 269

60. (2) Required total

$$= 840 + 220 + 900 + 360 + 450 + 540$$
$$= 3,310$$

61. (2) A tap can fill a tank in 6 hours.
After half the tank is filled, i.e. after 3 hours, three more similar taps are opened.

∴ No. of taps to fill remained half tank
= 4 taps
∴ 1 tap take 3 hours to fill the tank
∴ 4 taps take 45 minutes to fill the tank
∴ Total time taken = 3 hours + 45 min
= 3 hours 45 min

62. (1) Total expenditure = $(32 + 12 + 10)\%$
= 54%
Remaining salary = $(100 - 54)\% = 46\%$
Amount invested in fixed deposit on
entire year = $54550 \times \frac{23}{100} \times 12$
= ₹1,50,558

63. (3) Let the price of type 2 sugar be ₹ x per kg.

$$\text{CP of mixture} = \frac{75.60}{120} \times 100 = ₹ 63$$

ATQ,

$$\text{So, } \frac{75 - 63}{63 - x} = \frac{3}{1}$$

$$\Rightarrow \frac{12}{63 - x} = \frac{3}{1}$$

$$\Rightarrow \frac{12}{63 - x} = \frac{3}{1}$$

$$\Rightarrow 12 = 189 - 3x$$

$$\Rightarrow 3x = 177$$

$$\Rightarrow x = ₹ 59 \text{ per kg.}$$

64. (1) Let the amount invested in first scheme is ₹ 100 and that of second scheme = $100 \times 1.5 = ₹ 150$

CI of first scheme

$$= 150 \times \frac{120}{100} \times \frac{120}{100} - 100 = ₹ 66$$

CI of second scheme

$$= 100 \times \frac{110}{100} \times \frac{110}{100} - 100 = ₹ 21$$

ATQ,

$$(66 - 21) \text{ unit} \rightarrow 2025$$

$$\Rightarrow 45 \text{ unit} \rightarrow ₹ 2025$$

$$\therefore 100 \text{ unit} \rightarrow ₹ \frac{2025}{45} \times 150$$

$$= ₹ 6,750$$

65. (2) Total marks obtained by Nitin in Sanskrit, Science and Social Science = $68 \times 3 = 204$

Correct total marks

$$= 204 - 72 + 81 = 213$$

$$\therefore \text{Required}\% = \left(\frac{213}{360} \times 100 \right)\%$$

$$= 59.16\% \approx 59\%$$

(66-70):

66. (4) Average no. of votes acquired by Q during the year 2012 to 2016

$$= \frac{3.8 + 3.4 + 4.3 + 4.2 + 4.1}{5}$$

$$= \frac{19.8}{5} \text{ lakhs} = 3.96 \text{ lakhs}$$

Average no. of votes acquired by P during the year 2012 to 2016

$$= \frac{2.4 + 2.8 + 3.35 + 4.4 + 4.45}{5}$$

$$= \frac{17.4}{5} \text{ lakh} = 3.48 \text{ lakhs}$$

$$\therefore \text{Required more}\% = \left(\frac{3.96 - 3.48}{3.48} \times 100 \right)\%$$

$$= 13.79\% \approx 14\% \text{ more}$$

67. (2) No. of votes acquired by P in the year 2016 = 4.45 lakhs

No. of votes acquired by R in the year 2016 = 1.8 lakhs

Required ratio of voter in the year 2017 (R : P) = 3 : 2

Total no. of votes acquired by R in the year 2017 = $\frac{3}{2} \times 4.45 = 6.675 \text{ lakhs}$

∴ No. of votes acquired in the year 2017 than in the year 2016

$$= 6.675 - 1.8 = 4.875 \text{ lakhs}$$

68. (5) Average of votes acquired by Q during the year 2012 to 2015

$$= \frac{3.8 + 3.4 + 4.3 + 4.2}{4} = 3.925 \text{ lakhs}$$

$$\text{Required decrease}\% = \left(\frac{4.1 - 3.925}{4.1} \times 100 \right)\%$$

$$= 4.26\% \text{ decrease}$$

69. (3) No. of votes acquired by Q in the year 2015 = 4.2 lakhs

No. of votes 12% more than that

$$\text{acquired by Q} = 4.2 \times \frac{112}{100} = 4.704 \text{ lakhs}$$

No. of votes acquired by R in the year 2015 = 2.6 lakhs

$$\text{Required}\% = \left(\frac{4.704 - 2.6}{2.6} \times 100 \right)\% = 80.9\%$$

70. (3) Total no. of votes acquired by all the three parties in the year 2013

$$= 2.8 + 3.4 + 2.2 = 8.4 \text{ lakhs}$$

No. of votes acquired by Q in the year 2013 = 3.4 lakhs

$$\therefore \text{Required}\% = \left(\frac{3.4}{8.4} \times 100 \right)\% = 40.47\% \approx 40\%$$

BANK PRE MOCK TEST – 3 (ANSWER)

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