

BANK : 41

Solutions (1-5):

Person	Profession	Colour	Hobby	Beverages
Chotu	Doctor	Red	Painting	Cola
Kalu	Engineer	Blue	Reading	Cola
Mono	Artist	Green	Gardening	Cola
Bikki	Musician	White	Net Surfing	Cola
Guddu	Architect	Yellow	Dancing	Lemonade

- (B)
- (A)
- (C)
- (A)
- (A)

Solutions (6-10):

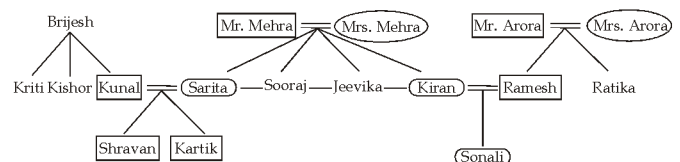
Floor	Candidate	City
9	Surendra	Kanpur
8	Abhinav	Noida
7	Vinod	Chennai
6	Govinda	Patna
5	Chintu	Lucknow
4	Pintu	Mumbai
3	Pawan	Kolkata
2	Bhaibhav	Bengaluru
1	Rakesh	Delhi

- (A)
- (B)
- (E)
- (E)
- (C)
- (C)

Students	Mock 1	Mock 2	Mock 3	Mock 4
Rati	X	40	30	10
Mitali	20	X	40	30
Shruti	30	10	20	X
Lalita	10	20	X	40

- (A)
- (C)
- (B)
- (A)
- (D)
I. $J > R$ (False)
II. $E \leq J$ (False)
- (D)
I. $U > E$ (False)
II. $T = K$ (False)
- (E)
I. $G \leq I$ (True)
II. $B \geq S$ (True)
- (B)
I. $A > I$ (False)
II. $K \geq A$ (False)
- (B)
I. $C < S$ (False)
II. $V > H$ (True)

Solution (21-23)

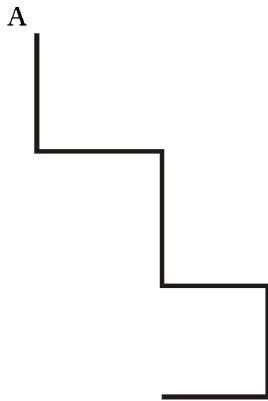


- (A)
- (A)

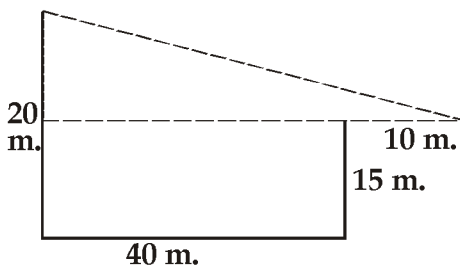
23. (B)

Solutions (24-25) :

24. (A)



25. (B)



SOLUTION(26-30)

O	U	Q	P	R	T	N	S	M
3	5	5	3	5	5	3	5	2

26. (B)

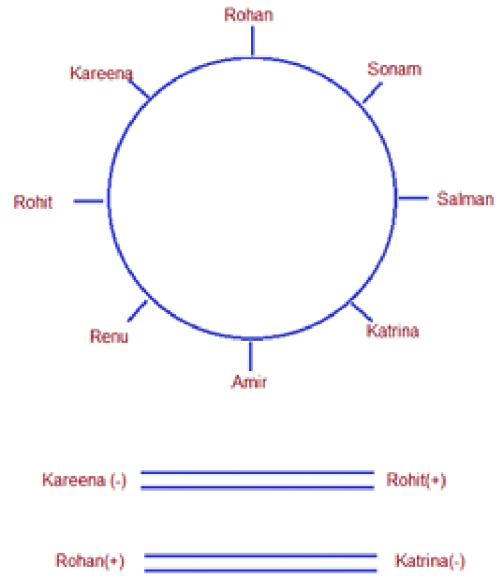
27. (B)

28. (A)

29. (D)

30. (D)

Solution : (31-35):



31. (B)

32. (D)

33. (C)

34. (A)

35. (E)

MATHS

36. (E)

Required ratio =

$$\frac{18 \times 8000}{100} \times \frac{9}{16} : \frac{33 \times 8000}{100} \times \frac{5}{16} = 54:55$$

37. (A)

$$\text{Required ratio} = \frac{810 - 450}{450} \times 100 = 80\%$$

38. (E)

$$\text{Average} = \frac{750 - 597.33}{2} \approx 673$$

39. (B)

$$\text{Required \%} = \frac{480}{630} \times 100 = 76.2\% \approx 76\%$$

40. (B)

$$\text{Difference} = 825 - 750 = 75$$

Solution(41-45)

41. (B)

$$\text{Required ratio} = \frac{340 + 190 + 220}{240 + 320 + 220} = 25:26$$

42. (D)

Total students participated from college P = 840

From college Q = 900

From college R = 780

From college S = 740

From college T = 790

From college U = 730

From college V = 870

Q>V<P>T>R>S>U

2nd minimum number of students participated from college S

43. (A)

Total number of students participating in Acting of college S = 260

Number of students who are acting in comedy drama = $\frac{60}{100} \times \frac{2}{3} \times 260 = 104$

44. (B)

Total number of student participating in dance from P and R = 340+260 = 600

Number of students participating is singing from T and U is = 280+150= 430

Difference = 600-430 = 170

45. (B)

Total number of students from collage S = 340+260+140 = 740

Total number of students from collage R = 260+200+320 = 780

$$\text{Required percentage} = \frac{780 - 740}{780} \times 100$$

$$= 5.13\%$$

Solution(46-50)

46. (C)

The pattern is : $\times 3+1, \times 3+2, \times 3+3, \times 3+4$
 $477 \times 3+4 = 1435$

47. (D)

The pattern is : $\times 7+1, \times 6+2, \times 5+3, \times 4+4.$
 $22 \times 6 + 2 = 134$

48. (A)

The pattern is : $\times 1+1 \times 7, \times 2+2 \times 6, \times 3+3 \times 5,$

$$\times 4+4 \times 4$$

$$38 \times 3 + 3 \times 5 = 129$$

49. (E)

The pattern is : $(\div 2)-1, (\div 2)-1, (\div 2)-1, (\div 2)-1$
 $142 \div 2 - 1 = 70$

50. (C)

The pattern is : $\times 0.5+0.5, \times 1+1, \times 1.5+1.5,$
 $\times 2+2$

$$9 \times 1+1 = 10$$

51. (A)

		2002	2003	2005
Let	MP	100	100	100
	CP	60	20	40

$$\text{Required \%} = \frac{80 - 40}{40} \times 100$$

$$= 100\%$$

52. (C)

Given

SP of the product in 2005 = 100

\therefore MP of the product in 2005 = 100

$$\therefore \text{CP of the product in 2005} = \frac{40}{100} \times 120$$

$$= 48$$

$$\text{Profit (in Rs)} = 100 - 48 = 52 \text{ Rs.}$$

$$\text{Now, CP of the product in 2006} = \frac{3}{8} \times 48$$

$$= 18 \text{ Rs.}$$

$$\therefore \text{Required SP} = 18 + 52 = 70 \text{ Rs.}$$

53. (D)

Let

		2001	2002	2003
MP of the product	-	100 _{x2}	100 _{x1}	100 _{x3}
CP	-	30 _{x2}	60 _{x1}	20 _{x3}

$$\text{Required ratio} = 200 : 100 : 300$$

$$= 2 : 1 : 3$$

54. (B)

Given

MP of the product in year 2003 = 1050

\therefore SP of the product in year 2003

$$= \frac{100}{150} \times 1050 = 700 \text{ Rs}$$

And, Given CP of the product in year 2004 = 800 Rs

$$\therefore \text{MP of the product in year} = \frac{100}{80} \times 800$$

= 1000 Rs

Now, SP of the product in year 2004

$$= \frac{100}{175} \times 1000 = \frac{4000}{7} \text{ Rs}$$

$$\therefore \text{Average Selling price} = \left(700 + \frac{4000}{7}\right) \times \frac{1}{2}$$

$$= \frac{4900}{7} \times \frac{1}{2}$$

= 350 Rs.

55. (E)
Since we don't know exact values of M.P. and C.P. Hence the answer can't be determined.

56. (C)
 ≈ 340

57. (A)
 $\approx 280 + 500$
 ≈ 780

58. (D)
 $\approx \frac{25 + 25}{5}$
 ≈ 10

59. (B)
 $\approx 990 + 77.5$
 ≈ 1070

60. (E)
 ≈ 50

61. (C)
 $x_1 = \frac{-13}{3}, x_2 = \frac{-12}{3}$

$$y_1 = 9, y_2 = \frac{-4}{7}$$

$\therefore x < y$

62. (A)
 $x = +ve$
 $y = -ve$
 $\therefore x > y$

63. (D)
 $x = 49$
 $y = \pm 49$
 $\therefore x \geq y$

64. (E)

$$x_1 = 3.5, x_2 = -3$$

$$y_1 = -9, y_2 = \frac{-7}{3}$$

\therefore No relation

65. (E)
 $x_1 = -0.5$

$$x_2 = \frac{-4}{3}$$

$$y_1 = +1$$

$$y_2 = \frac{(-3)}{4}$$

\therefore No relation

66. (A)

$$M \frac{88}{100} = \frac{132}{100} \text{ CP}$$

$$M = 1.5 \text{ CP}$$

$$M \frac{80}{100} = \frac{100 + x}{100} \text{ CP}$$

$$120 \text{ CP} = (100 + x) \text{ CP}$$

$$x = 20\%$$

67. (E)
Total age of 5 sisters = 100 years
Total age of a group of sister at the birth of youngest sister = $100 - 4 \times 5 = 80$
Average age of group of sisters = $80/5 = 16$ years

68. (D)
Given $x = 4$ km/hr, speed of current = y

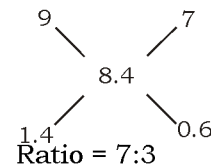
$$\frac{d}{x - y} = \frac{3d}{x + y}$$

$$2x = 4y$$

$$y = 2 \text{ km/hr}$$

69. (D)

$$\text{C.P. of mixture} = \frac{100}{110} \times 9.24 = 8.4$$



$$\text{Required quantity} = \frac{27}{3} \times 7 = 63 \text{ kg}$$

70. (D)
Let the quantity of water to be added is x litre.

$$\frac{9+x}{21} = \frac{2}{1}$$

x = 33 litre

ENGLISH

- 71. (B)
- 72. (D)
- 73. (A)
- 74. (C)
- 75. (A)
- 76. (D)
- 77. (B)
- 78. (D)
- 79. (C)
- 80. (B)
- 81. (A)
- 82. (C)
- 83. (B)
- 84. (B)
- 85. (C)
- 86. (B)
- 87. (B)
- 88. (E)
- 89. (A)
- 90. (C)
- 91. (B)
- 92. (A)
- 93. (D)
- 94. (A)
- 95. (C)
- 96. (D)
- 97. (E)
- 98. (C)
- 99. (A)
- 100. (D)