DCCB Preliminary Grand Test –DCCB-190220

ANSWER KEY

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

HINTS & SOLUTIONS

1.(4) 2.(2)
3.(1) 4.(2)
5.(5) 6.(3)
7.(1) 8.(4)
9.(4) 10.(1)

11.(5) No error

12.(3) Here, Adjective (gerund) i.e. and law abiding sectors ... should be sued.

13.(4) Here, Subject (its stated aim) is singular. Hence, curbing inflation has not been achieved should be used.

14.(3) Here general Proposition is evident. Hence present simple should be used here.

15.(4) Here, for/in India's premier educational Institutes should be used.

16.(2) known of

17.(2) grief enjoy

18.(3) balanced temper

19.(4) soft appeal

20.(3) dark frightened

21.(3) 22.(5)
23.(2) 24.(4)
25.(1)

26.(2) An adjective qualifies a noun. Hence, most forceful leaders should be used here.

27.(3) As the structure of the sentence suggests, gave a human face to should be used.
The sentence shows past time.

28.(2) Here, Gerund i.e. to walk while working should be used.

29.(3) As the structure of sentence suggests, Past Perfect i.e. had helped him should be used.

30.(1) Diverse (Adjective) = very different from each other.
Diversify (Verb) = to develop a wide range of products; branch out.
Hence, diversify assets should be used here.

31.(2) 32.(4)
33.(3) 34.(1)
35.(3)

36.(3) Eq.–I : $x^2 + 5\sqrt{3}x - 42 = 0$

$\Rightarrow x^2 + 7\sqrt{3}x - 2\sqrt{3}x - 42 = 0$

$\Rightarrow x(x + 7\sqrt{3}) - 2\sqrt{3}(x + 7\sqrt{3}) = 0$

$\Rightarrow (x + 7\sqrt{3})(x - 2\sqrt{3}) = 0$

$\Rightarrow x = -7\sqrt{3},\ 2\sqrt{3}$

Eq.–II : $y^2 - 8\sqrt{2}y + 30 = 0$

$\Rightarrow y^2 - 5\sqrt{2}y - 3\sqrt{2}y + 30 = 0$

$\Rightarrow y(y - 5\sqrt{2}) - 3\sqrt{2}(y - 5\sqrt{2}) = 0$

$\Rightarrow (y - 5\sqrt{2})(y - 3\sqrt{2}) = 0$

$\Rightarrow y = 5\sqrt{2},\ 3\sqrt{2}$

$\therefore x < y.$

37.(2) Eq.–I : $2x^2 - (4 + \sqrt{13})x + 2\sqrt{13} = 0$

$\Rightarrow 2x^2 - 4x - \sqrt{13}x + 2\sqrt{13} = 0$

$\Rightarrow 2x(x - 2) - \sqrt{13}(x - 2) = 0$

$\Rightarrow (x - 2)(2x - \sqrt{13}) = 0$

$\Rightarrow x = 2,\ \frac{\sqrt{13}}{2}$

Eq.–II : $10y^2 - (18 + 5\sqrt{13})y + 9\sqrt{13} = 0$

$\Rightarrow 10y^2 - 18y - 5\sqrt{13}y + 9\sqrt{13} = 0$

$\Rightarrow 2y(5y - 9) - \sqrt{13}(5y - 9) = 0$

$\Rightarrow (5y - 9)(2y - \sqrt{13}) = 0$

$\Rightarrow y = \frac{9}{5},\ \frac{\sqrt{13}}{2}$

$\therefore x \geq y.$

38.(5) Eq.–I : $4p^2 + 15p + 14 = 0$

$\Rightarrow 4p^2 + 8p + 7p + 14 = 0$

$\Rightarrow 4p(p + 2) + 7(p + 2) = 0$

$\Rightarrow (p + 2)(4p + 7) = 0$

$\Rightarrow p = -2,\ \frac{-7}{4}$

Eq.–II : $8q^2 + 30q + 27 = 0$

$\Rightarrow 8q^2 + 12q + 18q + 27 = 0$

$\Rightarrow 4q(2q+3) + 9(2q+3) = 0$

$\Rightarrow (2q+3)(4q+9) = 0$

$\Rightarrow q = \frac{-3}{2}, \frac{-9}{4}$

$\therefore$ **Relationship can't be determined.**

39.(5) Eq.–I : $81x^2 - 9x - 2 = 0$

$\Rightarrow 81x^2 - 18x + 9x - 2 = 0$

$\Rightarrow 9x(9x-2) + 1(9x-2) = 0$

$\Rightarrow (9x-2)(9x+1) = 0$

$\Rightarrow x = \frac{2}{9}, \frac{-1}{9}$

Eq.–II : $56y^2 - 13y - 3 = 0$

$\Rightarrow 56y^2 + 8y - 21y - 3 = 0$

$\Rightarrow 8y(7y+1) - 3(7y+1) = 0$

$\Rightarrow (7y+1)(8y-3) = 0$

$\Rightarrow y = \frac{-1}{7}, \frac{3}{8}$

$\therefore$ **Relationship can't be determined.**

40.(4) Eq.–I : $72x^2 + x - 1 = 0$

$\Rightarrow 72x^2 + 9x - 8x - 1 = 0$

$\Rightarrow 9x(8x+1) - 1(8x+1) = 0$

$\Rightarrow (8x+1)(9x-1) = 0$

$\Rightarrow x = \frac{-1}{8}, \frac{1}{9}$

Eq.–II : $63y^2 - 25y + 2 = 0$

$\Rightarrow 63y^2 - 18y - 7y + 2 = 0$

$\Rightarrow 9y(7y-2) - 1(7y-2) = 0$

$\Rightarrow (7y-2)(9y-1) = 0$

$\Rightarrow y = \frac{2}{7}, \frac{1}{9}$

$\therefore x \le y$.

41.(1) 42.(3)
43.(2) 44.(4)
45.(5) 46.(1)
47.(3) 48.(4)
49.(2) 50.(5)

51. (1) Number of girls studying Finance = 810 - 324 - 198 = 288

52. (5) Required percentage = $\frac{198}{495} \times 100 = 40$

53. (2) Total number of students in the institute. = 990 + 810 = 1800

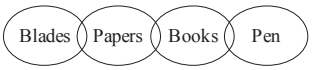
Required percentage $= \frac{495}{1800} \times 100 = 27.5$

54. (4) Required ratio = 198: 324 = 11 : 18

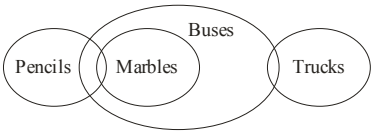
55. (3) Total number of students in the institute = 990 + 810 = 1800

56.(2) 57.(3)
58.(3) 59.(3)

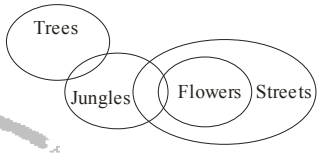
60.(2) 61.(2)
62.(1) 63.(4)
64.(3) 65.(2)
66.(3) 67.(1)
68.(4)
69.(4)



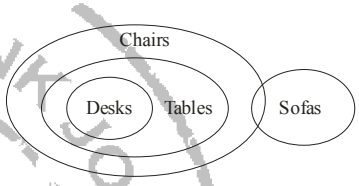
70.(3)



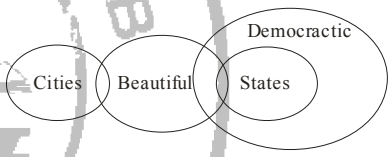
71.(1)



72.(2)

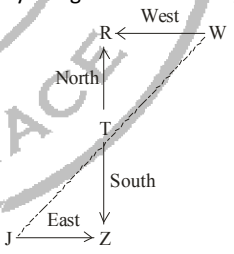


73.(2)



74.(4) By using All I, II & III we get E > B > A > C > D > F

75.(5) By using I & II statement, we get



76.(5) Question cannot be answered even with all I, I and III.

77.(1) By using I & II, we get
Code for 'now or never again' →tornkanasa
Code for 'go' → ho

78. (2) All statements I, II and II are required to answer the question.

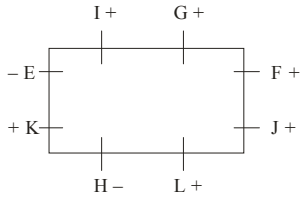
79.(3) 80.(5)
81.(4) 82.(5)
83.(2)

84-88.

Day	Sports
Monday	Reasoning
Tuesday	Math
Wednesday	Chemistry
Thursday	G.K.
Friday	Physics

Saturday	Biology & Hindi
Sunday	Computer & English

84.(1) 85.(5)
86.(4) 87.(5)
88.(2)
89-95.



89.(5) 90.(1)
91.(4) 92.(3)
93.(2) 94.(1)
95.(2) 96.(1)
97.(3) 98.(3)
99.(2) 100.(2)