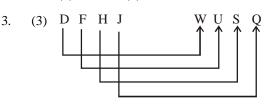
## <u>SSC - GRAND TEST - CGL-170203</u> <u>HINTS AND SOLUTIONS</u>

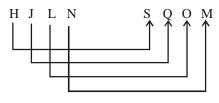
								-
1	(4)	26	(4)	51	(3)	76	(3)	
2	(2)	27	(1)	52	(3)	77	(2)	
3	(3)	28	(2)	53	(1)	78	(1)	
4	(2)	29	(2)	54	(2)	79	(4)	
5	(3)	30	(2)	55	(3)	80	(4)	
6	(3)	31	(3)	56	(2)	81	(3)	
7	(1)	32	(1)	57	(4)	82	(1)	
8	(4)	33	(1)	58	(4)	83	(2)	
9	(2)	34	(4)	59	(1)	84	(3)	
10	(4)	35	(3)	60	(4)	85	(1)	
11	(4)	36	(2)	61	(1)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

1. (4) Only conclusion II follows. It was expected that crop condition wold improve after the rains.

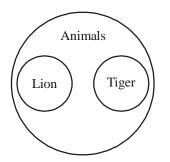
2. (2) The position of Y from the right end of the English alphabetical series is 2 and that of V is 5.  $(2)^2 = 4$  and  $(5)^2 = 25$ .



Pairs of opposite letters. Similarly,



- (2) Entomology is that branch of science which deals with insects. Similarly, the scientific study of snakes is called
- ophiology. 5. (3) Tiger is different from lion. But both are animals.



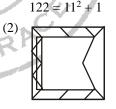
1

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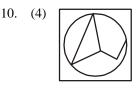
- 6. (3) First Column  $(2 \times 4) + (4 \times 6)$   $\Rightarrow 8 + 24 = 32$ Second Column  $(3 \times 5) + (5 \times 7)$   $\Rightarrow 15 + 35 = 50$ Third Column  $(8 \times 10) + (10 \times 12)$ 
  - $\Rightarrow 80 + 120 = 200.$
  - (1) First Row  $4 \times 3 \times 2 + 8$   $\Rightarrow 24 + 8 = 32$ Second Row  $5 \times 3 \times 1 + 9$   $\Rightarrow 15 + 9 = 24$ Third Row  $7 \times 3 \times 3 + 7$

$$\Rightarrow 63 + 7 = 70$$
  
Fourth Row 2 × 9 × 4 + 12  
$$\Rightarrow 72 + 12 = 84.$$
  
(4) 5 = 2<sup>2</sup> + 1 10 = 3<sup>2</sup> +

$$5 = 2^{2} + 1 10 = 3^{2} + 1 26 = 5^{2} + 1 50 = 7^{2} + 1 122 = 11^{2} + 1$$

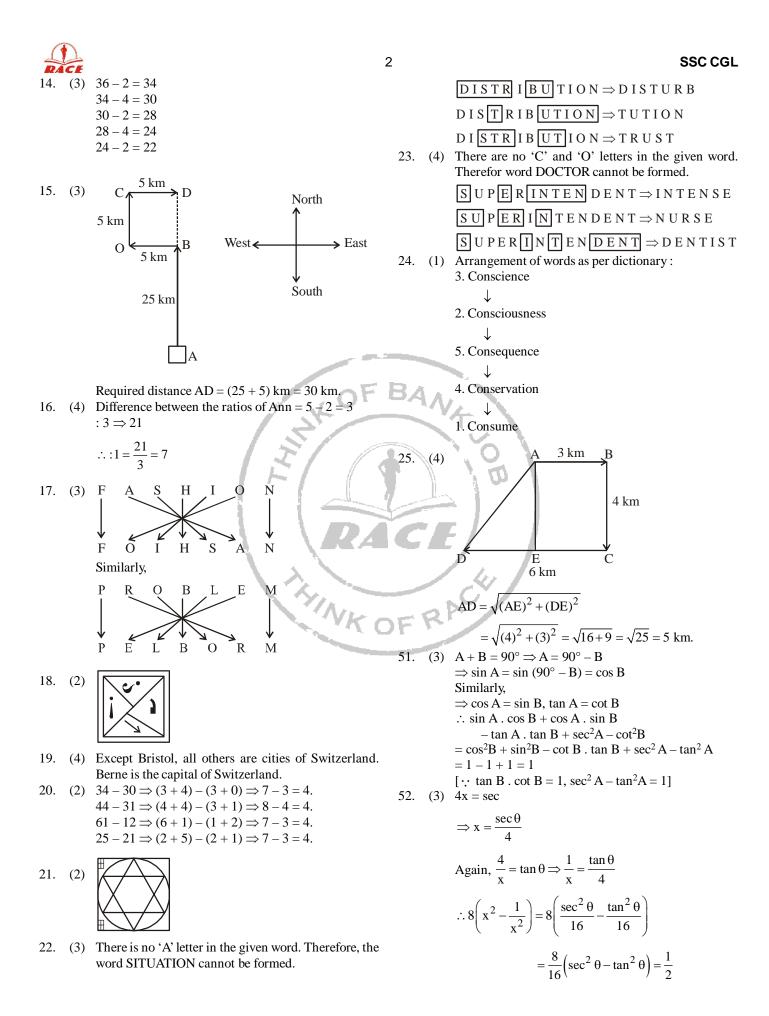


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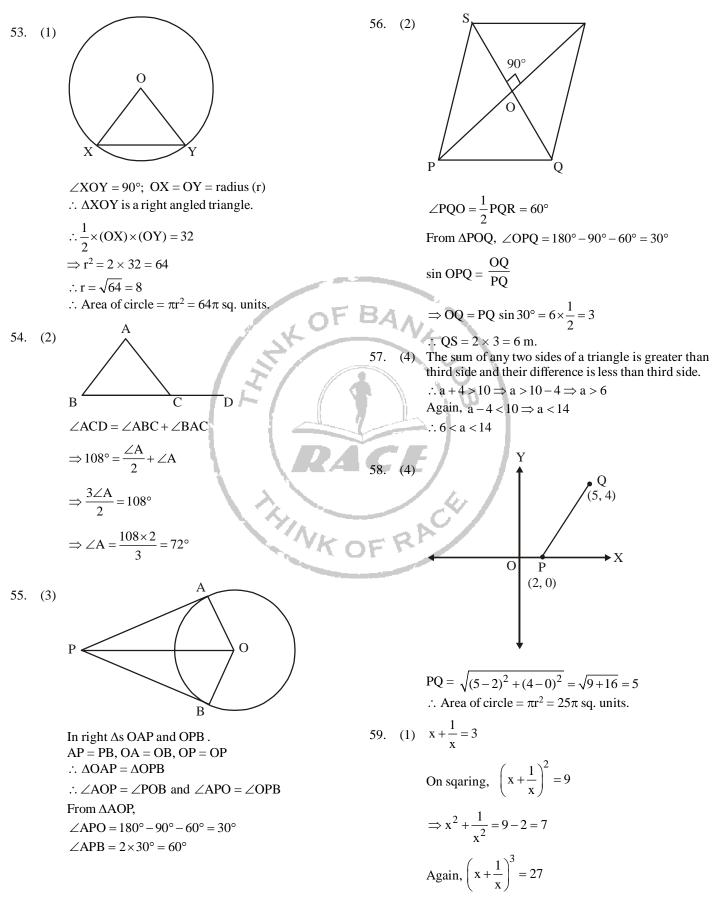
- 11. (4) B R O W N / B R O W N / B
- 12. (3) When paper is folded in the form of a cube, then
- 13. (1)  $F \xrightarrow{+3} I \xrightarrow{+3} L \xrightarrow{+3} O$   $A \xrightarrow{+4} E \xrightarrow{+4} I \xrightarrow{+4} M$  $K \xrightarrow{+2} M \xrightarrow{+2} O \xrightarrow{+2} Q$





Grand Test - CGL-170203







4 **SECCL**  

$$\Rightarrow x^{3} + \frac{1}{x^{3}} + \frac{1}{x} + \frac{1}{x} + \frac{1}{x} - 27$$

$$\Rightarrow x^{3} + \frac{1}{x^{3}} + \frac{1}{x^{3}} - 27 - 3x - 18$$

$$\Rightarrow (x^{2} + \frac{1}{x^{3}}) (x^{3} + \frac{1}{x^{3}}) = 7 \times 18$$

$$\Rightarrow x^{3} + \frac{1}{x^{3}} - 27 - 3x - 18$$

$$\Rightarrow (x^{2} + \frac{1}{x^{3}}) (x^{3} + \frac{1}{x^{3}}) = 7 \times 18$$

$$\Rightarrow x^{3} + \frac{1}{x^{3}} - 126 - 3 - 123$$

$$\Rightarrow x^{3} + \frac{1}{x^{3}} = 126 - 3 - 123$$

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$$\Rightarrow x^{3} + \frac{1}{x^{3}} = \frac{1}{x^{$$

AB = treeBC = broken part  $\therefore$  BC = CD

AD = 30 metre

From  $\triangle ACD$ ,  $\tan 30^\circ = \frac{AC}{AD}$ 

$$\Rightarrow AC = AD \times \frac{1}{\sqrt{3}} = \frac{30}{3} = 10\sqrt{3} \text{ metre}$$

$$CD = AC \sin 30^\circ = 10\sqrt{3} \times \frac{1}{2} = 5\sqrt{3} = BC$$

$$AB = AC + BC = 10\sqrt{3} + 5\sqrt{3} = 15\sqrt{3}$$
 metre

70. (1)  $\cos A = 1 - \cos^2 A = \sin^2 A$   $\therefore \sin^2 A + \sin^4 A = \sin^2 A + \cos^2 A = 1$ 71. (1) Required percentage increase

$$= \frac{40-30}{30} \times 100 = \frac{100}{3} = 33\frac{1}{3}\%$$

- 72. (1) Income of company in 2002 = Rs. 40 lakhs Expenditure of company in 2003 = Rs. 40 lakhs.
- 73. (2) Profit of company in 2004 = Rs. 25 lakhs
- 74. (3) Required difference = 20 10 = Rs. 10 lakhs.
- 75. (1) Average income of company

$$=\frac{30+50+40+60+60}{5}=\frac{240}{5}$$
 = Rs. 48 lakhs

The incomes of company in years 2001, 2003 and 2004 were greater than Rs. 48 lakhs.

- (3) Here, to provide evidence/ as a witness .... should be used.
- 77. (2) Here, it is a preposition related error. Hence, at her should be used here.

5

86.

89.

90.

95.



- 79. (4) **Combat** = to stop something unpleasant or harmful from happening.
- 80. (4) **Deal with** = to be about something. Her poems often deal with the subject of death.
- 81. (3) The word **Invoice** (Noun) means : list of goods that have been sold; bill; statement.
- 82. (1) The word Ameliorate (Verb) means : to make something better; improve.
  Look at the sentence : Government should take steps to ameliorate the situation.
- 83. (2) The word **Amorphous (Adjective)** means shapeless; irregular, having no definite shape.
- 84. (3) The word **Unitary** (**Adjeceive**) means : single; forming one unit.

Multiple = many in number.

85. (1) The word **Adulteration** (Noun) means : making impure by mixing; contamination.

The word **Purification** (Noun) means : making something pure by removing substances that are dirty, harmful.

- (1) **Rule the roost** = to be the most powerful member of a group.
- 87. (1) Eat humble pie = to say and show that you are sorry for a mistake that you made.
  88. (2) Here, even in a little quantity should be used. To use
  - (2) Here, even in a little quantity should be used. To use plural form is not proper.
  - (3) Conditional sentence is in Past Simple. Hence would you take .... should be used.
  - (1) Here, generality is evident. Hence, Present Simple should be used.

93. (4) **Saccharine** = sentimental.

- 94. (1) **Revolutionize** = to completely change the way that something is done.
  - (4) **Dysentery** = an infection of the bowels that causes severe diarrhoea with loss of blood.