

**CSAT**

# CSAT SYLLABUS

	MATHS	REASONING	READING COMPREHENSION
Average	25-30 Q`s	20-25 Q`s	25-30 Q`s
2020	42 Q`s	13 Q`s	25 Q`s

## REASONING (GMA, AR, LR)

SL. NO.	SESSION NAME	SESSION DETAILS
1	Reas-1	Series & Coding-Decoding
2	Reas-2	Blood Relation & Direction
3	Reas-3	Clock & Calendar
4	Reas-4	Dice & Cubes
5	Reas-5	Application of Sets
6	Reas-6	Sitting Arrangement & Ranking
7	Reas-7	Puzzles (Table Formation)
		Analytical Reasoning
8	Reas-8	(No. of Triangles, Squares, Rectangles)
9	Reas-9	Non-Verbal Reasoning
10	Reas-10	Syllogism
11	Reas-11	Statement- Assumption , Strong & Weak Argument
12	Reas-12	Course of Action , Cause & Effect

## **MATHS (BASIC NUMERACY)**

<b>SL NO.</b>	<b>SESSION NAME</b>	<b>SESSION DETAILS</b>
1.	M-1	NUMBER SYSTEM Part-1
2.	M-2	NUMBER SYSTEM Part-2
3.	M-3	LCM & HCF
4.	M-4	Percentage
5.	M-5	Profit-Loss & Discount
6.	M-6	Ratio & Proportion
7.	M-7	Average & Age
8.	M-8	DI &
9.	M-9	Time, Speed & Distance
10	M-10	Time & Work
11	M-11	Mensuration
12	M-12	Permutation & Combination
13	M-13	Probability

# CUBE & DICE

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**1-4Q: All the faces of a big cube are painted black. The edge of this cube is 5cm. The cube is cut into smaller cubes with edge 1cm.**

**1Q: How many cubes have three faces painted?**

**a) 10    b) 8    c) 9    d) 5**

**2Q: How many cubes have two face painted ?**

**a) 9    b) 8    c) 36    d) 50**

**3Q: How many cubes have only one face painted?**

**a) 9    b) 8    c) 36    d) 54**

**4Q: How many cubes don't have any face painted?**

**a) 12    b) 36    c) 16    d) 27**

5-7Q: There is a cube in which one pair of opposite faces is painted black; the second pair of opposite faces is painted white and the third pair of opposite faces is painted green. The cube is now cut into 64 smaller identical cubes.

5Q: How many small cubes will there be with no green paint at all ?

a) 10    b) 8    c) 16    d) 32

6Q: How many small cubes will there be with only one face painted black ?

a) 32    b) 8    c) 6    d) 5

7Q: How many small cubes will there be with both black and green or both white and green on their faces ?

a) 10    b) 18    c) 24    d) 32

**8-11Q: All the six faces of a cube are painted with different colours. The colour opposite to red is green; opposite to black is white and opposite to pink is yellow. Finally it is cut into 27 equal small cubes.**

**8Q: How many small cubes painted with white only?**

- a) 10    b) 1    c) 6    d) 5**

**9Q: Cubes having atleast two face coloured?**

- a) 20    b) 48    c) 56    d) 50**

**10Q: How many cubes have one face painted with green or black ?**

- a) 10    b) 15    c) 12    d) 18**

**11Q: How many cubes don't have any face black coloured ?**

- a) 10    b) 18    c) 60    d) 15**

**CSAT-2017**

**12Q: The outer surface of a 4 cm x 4 cm x 4 cm cube is painted completely in red. It is sliced parallel to the faces to yield sixty four 1 cm x 1 cm x 1 cm small cubes. How many small cubes do not have painted faces?**

- (a) 8**
- (b) 16**
- (c) 24**
- (d) 36**

**CSAT-2016**

**13Q: A cube has all its faces painted with different colours. It is cut into smaller cubes of equal sizes such that the side of the small cube is one-fourth the big cube. The number of small cubes with only one of the sides painted is:**

- (a) 32**
- (b) 24**
- (c) 16**
- (d) 8**

**CSAT-2015**

**14Q: Each of the six different faces of a cube has been coated with a different colour i.e., V, I, B, G, Y and O. Following information is given:**

- 1. Colours Y, O and B are on adjacent faces.**
- 2. Colours I, G and Y are on adjacent faces.**
- 3. Colours B, G and Y are on adjacent faces.**
- 4. Colours O, V and B are on adjacent faces.**

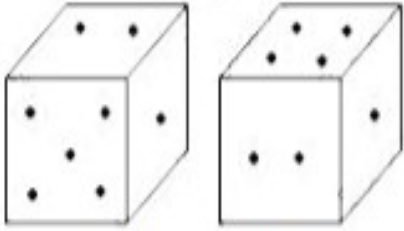
**Which is the colour of the face opposite to the face coloured with O?**

- (a) B**
- (b) V**
- (c) G**
- (d) I**

# DICE



**15Q: Two positions of dice are shown below. How many points will appear on the opposite to the face containing 5 points?**



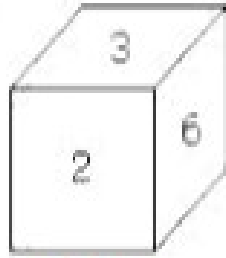
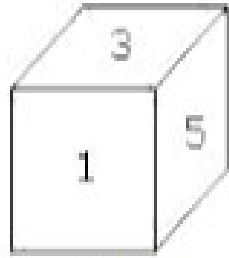
a) 4

b) 2

c) 6

d) 3

**16Q: Which digit will appear on the face opposite to the face with number 4?**



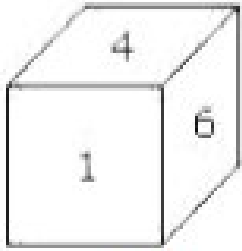
a) 1

b) 3

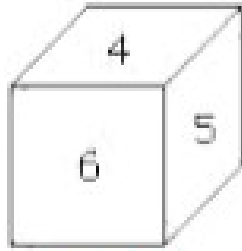
c) 6

d) 5

**17Q: Two positions of a dice are shown below.  
When number '1' is on the top. What number will be  
at the bottom?**



a) 2

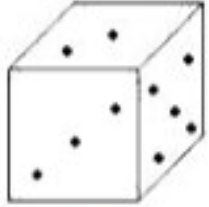


b) 3

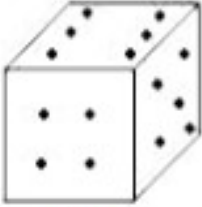
c) 6

d) 5

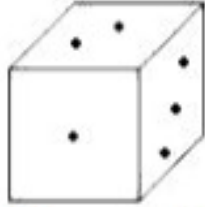
**18Q: How many points will be on the face opposite to in face which contains 2 points?**



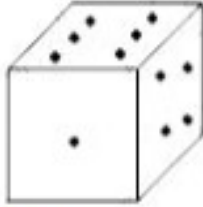
a) 1



b) 3

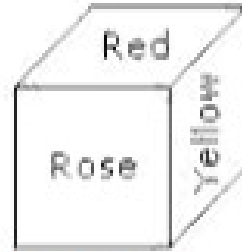
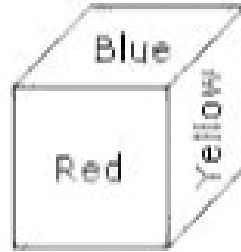
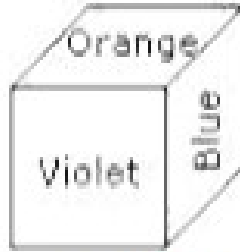
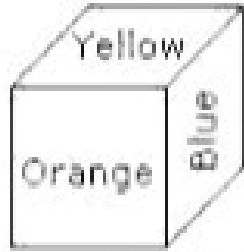


c) 6



d) None

**19Q: From the four positions of a dice given below, find the color which is opposite to yellow ?**



a) Blue

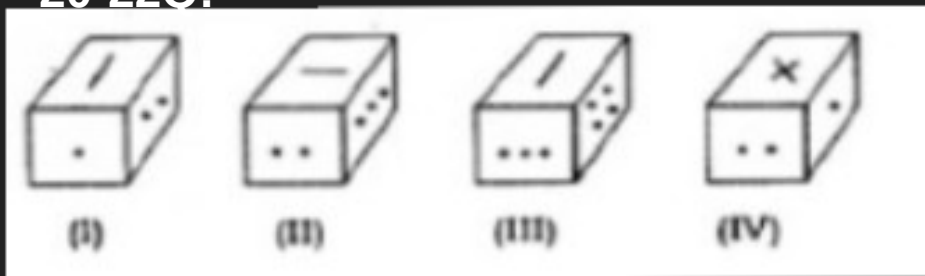
b) Violet

c) Red

d) None

CSAT-2018

20-22Q:



20Q: What is the symbol on the face opposite to that containing a single dot?

21Q: What is the symbol on the face opposite to that containing two dots?

22Q: What is the symbol on the face opposite to that containing the cross?

