

**Grade VII**  
**Mathematics**  
**Home Work**  
**(1<sup>st</sup> Week)**

## MATHEMATICS

### MCQ

#### Unit No: I

**Instructions:** Students before attempting this MCQ, read the page number 1 to 3 of **unit I** from Mathematics Grade VII STBB. Read carefully the given MCQ and shade the correct answer with help of a pencil.

1. Identify the given set in tabular form from the following.

(1 Mark)

$$P = \{x / x \in P \wedge x \leq 7\}$$

$P = \{2, 3, 5, 7\}$

Ⓐ

$P = \{1, 3, 5, 7\}$

Ⓑ

$P = \{0, 2, 4, 6, 8\}$

Ⓒ

$P = \{1, 2, 3, 4, 5, 6, 7\}$

Ⓓ

Or

#### Unit No: I

**Instructions:** Students before attempting this MCQ, read the page number 6 to 9 of **unit I** from Mathematics Grade VII STBB. Read carefully the given MCQ and shade the correct answer with help of a pencil.

2. If  $M = \{a, b, c\}$  and  $N = \{c, e\}$ , then  $M \cup N =$ \_\_\_\_\_.

$\{a\}$

Ⓐ

$\{b, c\}$

Ⓑ

$\{a, c, e\}$

Ⓒ

$\{a, b, c, e\}$

Ⓓ

**CRQ**

**Unit No: I**

**Instructions:** Students before attempting this CRQ, read the page number **6 to 9** of **unit I** from Mathematics Grade VII STBB.

3. If  $A = \{1, 2, 3\}$  and  $B = \{2, 3\}$  then verify the following. Show proper working steps.

**(4 Marks)**

$$A - B \neq B - A$$

**Solution:**

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### MCQ

#### Unit No: II

**Instructions:** Students before attempting this MCQ, read the page number **24 to 25 and 30** of **unit II** from Mathematics Grade VII STBB. Read carefully the given MCQ and shade the correct answer with help of a pencil.

4. The additive inverse of  $\frac{3}{4}$  in the following is

(1 Mark)

$$-\frac{2}{7}$$

(A)

$$-\frac{2}{5}$$

(B)

$$-\frac{1}{2}$$

(C)

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

(D)

Or

#### Unit No: III

**Instructions:** Students before attempting this MCQ, read the page number **49 to 50** of **unit III** from Mathematics Grade VII STBB. Read carefully the given MCQ and shade the correct answer with help of a pencil.

5. Identify the decimal number **0.5** into rational number and shade the correct answer from the following.

$$\frac{1}{2}$$

(A)

$$\frac{1}{4}$$

(B)

$$\frac{2}{3}$$

(C)

$$\frac{2}{5}$$

(D)

**CRQ**

**Unit No: II**

**Instructions:** Students before attempting this CRQ, read the page number **40 to 42** of **unit II** from Mathematics Grade VII STBB.

- 6.** Compare the given rational numbers and show proper working steps.

**(4 Marks)**

$$\frac{3}{5} \text{ and } \frac{1}{4}$$

**Solution.**

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### MCQ

#### Unit No: III

**Instructions:** Students before attempting this MCQ, read the page number **51** to **52** of **unit III** from Mathematics Grade VII STBB. Read carefully the given MCQ and shade the correct answer with help of a pencil.

7. Identify the terminating decimal from the following.

(1 Mark)

0.555 ...

Ⓐ

0.444 ...

Ⓑ

1.3125 ...

Ⓒ

0.21258

Ⓓ

Or

#### Unit No: IV

**Instructions:** Students before attempting this MCQ, read the page number **72** of **unit IV** from Mathematics Grade VII STBB. Read carefully the given MCQ and shade the correct answer with help of a pencil.

8.  $(-3)^4 =$  \_\_\_\_\_.

(1 Mark)

12

Ⓐ

36

Ⓑ

65

Ⓒ

81

Ⓓ



### CRQ

#### Unit No: IV

**Instructions:** Students before attempting this CRQ, read the page number **65** to **67** of **unit IV** from Mathematics Grade VII STBB.

9. Simplify using product law of the following:

(4 Marks)

a)  $\left(\frac{1}{3}\right)^6 \times \left(\frac{1}{3}\right)^3 \times \left(\frac{1}{3}\right)^5$

b)  $(a)^5 \times (a)^{-3} \times (a)^7$

**Solution.**

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### MCQ

#### Unit No: V

**Instructions:** Students before attempting this MCQ, read the page number **82 to 84** of **unit V** from Mathematics Grade VII STBB. Read carefully the given MCQ and shade the correct answer with help of a pencil.

10.  $\sqrt{81} = \underline{\hspace{2cm}}$ .

(1 Mark)

3

Ⓐ

5

Ⓑ

6

Ⓒ

9

Ⓓ

Or

#### Unit No: VI

**Instructions:** Students before attempting this MCQ, read the page number **94 to 95** of **unit VI** from Mathematics Grade VII STBB. Read carefully the given MCQ and shade the correct answer with help of a pencil.

11. If  $A : B = 1 : 2$  and  $B : C = 1 : 3$ ,  
then the continued ratio  $A : B : C$   
would be

(1 Mark)

1: 2: 6

Ⓐ

2: 3: 4

Ⓑ

3: 2: 1

Ⓒ

3: 4: 5

Ⓓ

### CRQ

**Unit No: VI**

**Instructions:** Students before attempting this CRQ, read the page number **99 to 100** of **unit VI** from Mathematics Grade VII STBB.

**12.** If the cost of **5** grade VII mathematics books is Rs **250**. What would be the cost of **15** books? Show proper working steps.

**(4 Marks)**

**Solution.**