Class: 6 **Time: 2Hours.** Full Marks: 50

Subject: **Maths** Pass Marks: 18

Attempt all question

1. Set M= {Multiples of 2 less than 10}   5

a. Define set with an example .

b. Does $6 \in$ M ? Give a reason .

c. Writes the set M in the set -builder from .

2. Four digits are 7,0,9,8   5

a. Make greatest number of given digits.

b. Make smallest number of given digits .

c. Find the sum and difference of greatest and smallest number .

3. a) Write a mathematical expression and simplify it."Two is multiplied by one less than the difference of nineteen and six."   2

b) Simplify : 39-[23-{29-(17-$\overline{9-3}$) }]   2

4. Write the following sets using the listing method .

a) Multiples of 2 less than 14.   2

b) Factors of 12.   2

c) Common elements of (M_2) and (f_{12})   1

5. a) Write one even prime number.   1

b) Find the prime factors of 72.   1

c) A gardener plans to plant 8 flowering plant in each row and column in a square garden. How many plants does he need?   2

6. a) Find the square root of 2500.   1

b) Reduce $\frac{36}{45}$ in to the lowest term. 2

c) Find the LCM of 24 and 40.   2

7. a) Write the opposite value of (+36) . 1

b) Arrange -2,+1,+5,+3,-4,0 in ascending order.   2

c) Find the value of [{(-7)x(-5)}x (-2)]+(+3)   2

8. a) Convert $\frac{17}{3}$ into mixed fraction .   1

b) Subtract : $\frac{7}{12}$ - $\frac{9}{16}$ 2

c) Divide : 2.45÷ 0.5   2

9. a) Multiply : 0.25by 1000   1

b) Write any two equivalent fraction of $\frac{7}{13}$ 2

c) Multiply : $4 \times \frac{2}{3} \times \frac{9}{16}$ 2

10. a) Round off 9.82576 to three decimal places.   1

b) Express $\frac{4}{5}$ as percentage (%).   1

c) Find HCF of 30 and 42 by using listing method . 3

The End