PRISM WORLD

Std.: 8 (English) **Mathematics** Marks: 20

Date: Time: 1 hour

## Chapter: 1

**Q.1 Choose the correct alternative.** **(4)**

**1)** When a number is divided by another number and remainder is zero, then such decimal form of a rational number is called .....

a. Terminating decimal form.
b. Non terminating decimal form.
c. Recurring decimal form.
d. All of these.

**2)**

If a $<$ b then $-a > -b$

a. True b. False

**3)**

$\pi$ is a rational number .....

a. True b. False

**5)**

If m and n both are positive numbers then $\frac{m}{n}$ is ..... rational number.

a. Positive b. Negative c. Both a and b d. None of these

**Q.2 Answer the following questions** **(4)**

**1)** Compare the following numbers.

$\frac{7}{25}$ , $\frac{17}{25}$

**2)** Compares the following numbers.

$\frac{-6}{11}$ and $\frac{5}{-8}$

**3)** Compare the following numbers.

$\frac{-17}{9}$ , $\frac{-2}{3}$

**4)** Compare the following numbers.

$\frac{40}{29}$ , $\frac{141}{29}$

**Q.3 Attempt the following questions. (Any three)** **(6)**

**1)**

Represent $\frac{3}{5}$ and $\frac{-8}{5}$ on the number line

$\frac{-8}{5} = -1\frac{3}{5}$

**2)** Compare the following numbers.

$\frac{-7}{11}$ , $\frac{-3}{4}$

**3)** Write the following rational numbers in decimal form.

$\frac{27}{4}$

**4)** Compare the following numbers.

$\frac{-25}{8}$ , $\frac{-9}{4}$

**5)** Write the following rational numbers in decimal form.

$\frac{17}{9}$

**Q.4 Solve the following questions. (Any two)** **(6)**

**1)** Show the following numbers on a number line. Draw, a separate number line for each example.

$\frac{7}{5}$ , $\frac{-2}{5}$ , $\frac{-4}{5}$



**4)** Write the following rational numbers in decimal form.

$-\frac{11}{13}$

**3)** Write the following rational numbers in decimal form.

$\frac{9}{14}$