

Mathematics Assignment NO. 5 class IX
NUMBER SYSTEM - MCQ

Q1. Every natural number is

- a) always a whole number
- b) not a rational number
- c) not a fraction
- d) not an integer

Q2. Select the correct statement from the following

- a) $-\frac{2}{3} > -\frac{4}{5}$
- b) $-\frac{5}{7} < -\frac{3}{4}$
- c) $\frac{2}{5} < \frac{3}{8}$
- d) $\frac{4}{5} < \frac{7}{9}$

Q3. How many rational numbers are there between two distinct rational numbers

- a) Infinite
- b) Finite
- c) Only 2
- d) only 5

Q4. π is a

- a) Irrational Number
- b) Rational number
- c) Natural Number
- d) Integers.

Q5. If $x = 2 + \sqrt{3}$ then the value of $x + \frac{1}{x}$ is

- a) 4
- b) 5
- c) 3
- d) 2

Q6. The rational number between $\frac{1}{2}$ and $\frac{1}{3}$ is

- (a) $\frac{5}{12}$
- (b) $\frac{12}{5}$
- (c) $-\frac{7}{25}$
- (d) 0

Q7. The rationalising factor of $\frac{1}{\sqrt{3}+\sqrt{2}}$ is

- a) $\sqrt{3}-\sqrt{2}$ b) $\sqrt{3}+\sqrt{2}$ c) $\sqrt{3}+2$ d) $3-\sqrt{2}$

Q8. The product of $(3+\sqrt{2})(3-\sqrt{2})$ is

- a) 7 b) 1 c) -1 d) 11