

## IX Test-1

Time: 15 mins Out of: 10

- 1) Decimal representation of a rational number cannot be  
(a) terminating (b) non-terminating (c) non-terminating repeating  
(d) non-terminating non-repeating
- 2) Find the number having terminating decimal expansion.  
(a)  $\frac{2}{7}$  (b)  $\frac{1}{6}$  (c)  $\frac{4}{5}$  (d)  $\frac{3}{11}$
- 3) Every rational number is a/an  
(a) natural number (b) integer (c) real number (d) whole number
- 4) A rational number between  $\sqrt{2}$  and  $\sqrt{3}$  is  
(a)  $\frac{\sqrt{2}+\sqrt{3}}{2}$  (b)  $\frac{\sqrt{2}\times\sqrt{3}}{2}$  (c) 1.6 (d) 1.8
- 5) The value of  $1.999\dots$  in the form  $\frac{p}{q}$ , where  $p$  and  $q$  are integers and  $q \neq 0$  is  
(a)  $\frac{19}{20}$  (b)  $\frac{1999}{1000}$  (c) 2 (d)  $\frac{1}{9}$
- 6) The decimal expansion of  $\sqrt{2}$  is  
(a) terminating (b) 1.41421 (c) non-terminating recurring  
(d) non-terminating non-recurring
- 7) Every point on a number line represents:  
(a) a unique real number (b) integers (c) rational number (d) irrational no.
- 8) An irrational number lying between the numbers  
 $0.401001000100001\dots$  and  $0.404004000400004\dots$  is  
(a)  $0.405005000500005\dots$  (b) 0.402 (c) 0.403 (d)  $0.402002000200002\dots$
- 9) The number 3.142678 is  
(a) an irrational no. (b) a rational no. (c) a whole no. (d) a natural no.
- 10) State true or false. Justify  
Every real number is an irrational number.

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**False, real numbers can be either rational or irrational.**