

Chapter-1: Real Number

1. Which is the smallest prime number—
(a) 0 (b) 1 (c) 2 (d) 3 (c)
2. Which following numbers represent every kind of integer numbers?
(a) -2, -1, 0 (b) -1, 0, 1
(c) 0, 1, 2 (d) -1, 1, 2 (b)
3. How many integers are there between $\sqrt{3}$ and 4—
(a) 1 (b) 2 (c) 3 (d) 4 (b)
4. Which one is the fraction number—
(a) $\frac{\sqrt{27}}{\sqrt{38}}$ (b) $\frac{\sqrt{9}}{\sqrt{48}}$ (c) $\frac{\sqrt{4}}{3}$ (d) 2 (c)
5. p and q are integers number and if $q \neq 0$, then—
(a) Natural number
(b) Integer number
(c) Rational number
(d) Irrational number (c)
6. Which one of the following is rational number—
(a) $\sqrt{11}$ (b) $\frac{\sqrt{6}}{3}$ (c) $\frac{\sqrt{8}}{\sqrt{7}}$ (d) $\frac{\sqrt{27}}{\sqrt{48}}$ (d)
7. Which one of the following is rational number—
(a) 4 (b) $\sqrt{\frac{16}{9}}$
(c) $\sqrt[3]{\frac{64}{8}}$ (d) $\frac{3}{\sqrt{2}}$ (d)
8. What is called every rational and irrational numbers?
(a) Natural (b) Integer
(c) Prime (d) Real (d)
9. What kind of number '0' zero is?
(a) Positive (b) Negative
(c) Non negative (d) Non prime (c)
10. Express $0.\dot{1}\dot{3}$ in a simple fraction. Which one is correct?
(a) $\frac{13}{90}$ (b) $\frac{4}{33}$ (c) $\frac{13}{99}$ (d) $\frac{2}{15}$ (d)
11. What is the value of $2.\dot{4} \times 0.\dot{8}\dot{1}$?
(a) 2 (b) 0.2 (c) 0.12 (d) 1.2 (a)
12. What is the square root of 0.0144?
(a) 0.012 (b) 0.120
(c) 1.200 (d) 12.000 (b)
13. Express as a fraction—
i. rational number
ii. irrational number
iii. Integer
Which one of the following is correct?
(a) i & ii (b) i & iii
(c) ii & iii (d) i, ii & iii (b)
14. p, q, r are real numbers and if $p < q$ —
i. $pr < qr$; when $r > 0$
ii. $pr > qr$; when $r < 0$
iii. $pq > qr$; when $r \geq 0$
Which one of the following is correct?
(a) i & ii (b) i & iii
(c) ii & iii (d) i, ii & iii (a)
15. For real numbers—
i. The square root of any natural number is an irrational number as not perfect square
ii. The all positive number with zero is non-positive number
iii. zero is a natural number
Which one of the following is correct?
(a) i & ii (b) i & iii
(c) ii & iii (d) i, ii & iii (a)
16. For real numbers—
i. $0.\dot{8}\dot{1}$ is a decimal fraction
ii. $\sqrt{9}$ is a rational number
iii. $\sqrt{11}$ is an irrational number
Which one of the following is correct?
(a) i & ii (b) ii & iii
(c) i & iii (d) i, ii & iii (d)
17. For real numbers—
i. $\sqrt{49}$ is a prime number
ii. 0.03 is a genuine fraction
iii. $2 + \sqrt{2}$ is an irrational number
Which one of the following is correct?
(a) i & ii (b) i & iii
(c) ii & iii (d) i, ii & iii (d)