

نوٹ: ہر سوال کے چار ممکنہ جوابات A، B، C اور D دیئے گئے ہیں۔ جوابی کاپی پر ہر سوال کے سامنے دیئے گئے دائروں میں سے درست جواب کے مطابق متعلقہ دائرہ کو مارکر یا پین سے بھر دیجئے۔ ایک سے زیادہ دائروں کو پُر کرنے یا کاٹ کر پُر کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

- 1- 1- A set with no element is called
super set (D) singleton set (C) empty set (B) subset (A)
2- Third proportional of x^2 and y^2 is
 $\frac{y^2}{x^4}$ (D) $\frac{y^4}{x^2}$ (C) x^2y^2 (B) $\frac{y^2}{x^2}$ (A)
- 3- A data in the form of frequency distribution is called
denominator (D) histogram (C) ungrouped data (B) grouped data (A)
4- The distance of any point of the circle to its centre is called
an arc (D) a chord (C) diameter (B) radius (A)
5- Mean is affected by change in _____
place (D) origin (C) value (A) ratio (B)
6- Angle inscribed in a semi-circle is
 $\frac{\pi}{2}$ (D) $\frac{\pi}{3}$ (C) $\frac{\pi}{4}$ (B) $\frac{\pi}{6}$ (A)
7- If $b^2 - 4ac > 0$ but not perfect square
then roots of $ax^2 + bx + c = 0$ are
none of these (D) irrational (C) rational (B) imaginary (A)
8- The quadratic formula is
 $x = \frac{b \pm \sqrt{b^2 - 4ac}}{2a}$ (B) $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ (A)
 $x = \frac{b \pm \sqrt{b^2 + 4ac}}{2a}$ (D) $x = \frac{-b \pm \sqrt{b^2 + 4ac}}{2a}$ (C)
9- $(x+3)^2 = x^2 + 6x + 9$ is _____
an equation (B) a linear equation (A)
none of these (D) an identity (C)
10- An arc subtends a central angle of 40° , then the
corresponding chord will subtend a central angle of _____
 80° (D) 60° (C) 40° (B) 20° (A)
11- Sum of cube roots of unity is
3 (D) -1 (C) 1 (B) 0 (A)
12- The domain of $R = \{(0,2), (2,3), (3,3), (3,4)\}$ is
 $\{2,3,4\}$ (D) $\{0,2,4\}$ (C) $\{0,2,3\}$ (B) $\{0,3,4\}$ (A)
13- $\frac{1}{2} \operatorname{cosec} 45^\circ =$ _____
 $\frac{\sqrt{3}}{2}$ (D) $\sqrt{2}$ (C) $\frac{1}{\sqrt{2}}$ (B) $\frac{1}{2\sqrt{2}}$ (A)
14- If $a : b = x : y$, then alternando property is
 $\frac{a-b}{x} = \frac{x-y}{y}$ (D) $\frac{a+b}{b} = \frac{x+y}{y}$ (C) $\frac{a}{b} = \frac{x}{y}$ (B) $\frac{a}{x} = \frac{b}{y}$ (A)
15- A circle has only one _____
centre (D) diameter (C) chord (B) secant (A)