



Name

Roll No

1۔ ہر سوال کے سامنے چار دائرے دیئے گئے ہیں، صحیح جواب کا دائرہ بھریں۔

2۔ دائروں کو شیڈ (بھرنے) کے لئے نیلے یا کالے رنگ کا مارکر استعمال کریں۔

3۔ جواب میں ایک سے زائد دائرے بھرنے سے جواب غلط تصور ہوگا۔

Time Allowed: 20 Minutes

SECTION – A

Marks : 15

- 1 The most frequent value in the data is called its.....  Mean  Median  Geometric mean  Mode
- 2  $45^\circ = \dots\dots$  radian.   $\frac{\pi}{4}$    $\frac{\pi}{3}$    $\frac{\pi}{6}$    $\frac{\pi}{2}$
- 3 Apollonius is the name of a.....  City  Town  Country  Mathematician
- 4 If two circles touch externally, the distance between their centres is equal to the.....  Diameter  Radius  Sum of their radii  Difference of their radii
- 5  $2 + \tan^2 \theta = \dots\dots\dots$    $1 + \sin^2 \theta$    $1 + \cos^2 \theta$    $1 + \operatorname{Cosec}^2 \theta$    $1 + \sec^2 \theta$
- 6 Any two angles in the same segment of a circle are.....  Parallel  Equal  Unequal  Perpendicular
- 7 If two arcs of a circle are congruent then the corresponding.....are equal.  Radius  Diameter  Chords  Non of these
- 8 If  $x^2 + 3x - 10 = 0$ , then the solutions are.....  2, -5  -2, 5  -2, -5  2, 5
- 9 Equations that involve terms of the form  $a^x$  where  $a > 0$ ,  $a \neq 1$  are called ..... equations.  Exponential  Logarithmic  Quadratic  Linear
- 10 The roots of the equation  $3x^2 - 5x + 1 = 0$  will be.....  Equal  Irrational  Rational  None of these
- Let " $\omega$ " be one of the complex
- 11 cube-roots of unity, then the value of  $3 + \omega + \omega^2$  is.....  2  3  1  0
- 12 If  $x \propto \frac{1}{y}$  and  $y \propto \frac{1}{z}$  then.....   $y \propto \frac{1}{z}$    $x \times z$    $xy \times z$    $xz \times y$
- 13 If  $P(x)$  and  $Q(x)$  are two polynomials then  $\frac{P(x)}{Q(x)}$ ,  $Q(x) \neq 0$  is called...fraction.  Rational  Irrational  Proper  Improper
- 14 If  $A \cap B = \{ \}$  then A and B are..... sets.  Equal  Overlapping  Disjoint  Subset of each other
- 15 If "f" is a function from "A" to "B", then "f" is an onto function if.....  Range (f) = A  Range (f) = B  Domain (f) = A  Range (f) = Domain (f)