10th Class Math English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	The domain of R = {(0, 2), (2, 3), (3, 3), (3, 4)} is:	A. {0, 3, 4} B. {0, 2, 3} C. {0, 2, 4} D. {2, 3, 4}
2	If a chord of a circle subtends a central angle of 60°, then the length of the chord and the radial segment arc:	A. Congruent B. Incongruent C. Parallel D. Perpendicular
3	If 12, p and 3 are in continued proportion, then p =	
4	The positive square coot of mean of the squared deviations of x_1 (i = 1,2.....n) observation from their arithmetic mean is called.	A. Harmonic mean B. Range C. S.D D. Variance
5	The distance of a point outside the circle from its centre is _____ than the radius:	A. Less B. Equal C. Greater D. None of these
6	From a point outside the circle _____ tangents can be drawn:	A. One B. Two C. Three D. Four
7	O∪ E = ...	A. ∅ B. O C. E D. Z
8	The circular region bounded by an arc of a circle and its two corresponding radial segments is called a:	A. Sectorof the circle B. Areaof the circle C. Radiusof the circle D. Circumferenceof the circle
9	An arc substends a central angle of 40° then corresponding chord will substend a central angle of _____:	A. 20° B. 40° C. 60° D. 80°
10	Cto 60°=.....	A. 1/2 B. √3/2 C. √3 D. 1/√3
11	A quadratic factor is:	A. ax²+bx+c B. ax+b C. Ax+B+c D. bx+c
12	The Discriminant of ax^2+bx+c=0 is:	A. b²-4ac B. b²⁺4ac C. -b²⁺4ac D. -b²-4ac
13	Which of the following is a reciprocal equation ?	A. ax³+bx³+cx+d=0 B. ax⁴-bx³+cx²-bx+a=0 C. ax⁴+bx³+cx²+dx+e=0 D. ax⁴+bx³+cx²+bx+a=0
14	If Tanθ=1 then Sinθ= _____ whenθ lies in 3rd quadrant.	A. 1/2 B. -1/2 C. -1/√2 D. 1/√2
15	The circular region bounded by two radii and the corresponding arc is	A. Circumference of a circle B. Sector of a circle

	called:	C. Diameter of a circle D. Segment of a circle
16	Question Image	C. 1 D. -1
17	$1+\tan^2\theta$ =.....	A. Sin²θ B. Cos²θ C. Co Sec²θ D. Sec²θ
18	Which of the following is De-Morgan's law?	A. (A∪ B)∪ C = A∪ (B∪ C) B. (A∩B)^C= A^c∪ B^c C. A∪ (B∩ C) = (A∪ B)∩ (A∪ C) D. A∩(B∪ C) = (A∩B)∪(A∩C)
19	To resolve rational fraction, the numerator N(x) must be lower degree than the:	A. Quotient Q(x) B. Denominator D(x) C. Nenomenator N(x) D. Polynomian R(x)
20	The geometric mean of the a observations 2,4,8, is:	A. 2 B. 8 C. 4 D. no geometric mean