

## 11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	If s denotes the length of the arc intercepted on a circle of radius $\boldsymbol{r}$ by a central angle of $\alpha$ radians, then:	A. $s = r\alpha$ B. $s = r + \alpha$ D. none of these
2	r <sub>3</sub> =	
3	Question Image	A. 2 B. 4 C. 6 D. 8
4	The period of 2 - sin 3x is:	
5	What is the next term in the sequence 10, 7, 4, 1?	A. 2 B2 C3 D. none of these
6	The middle term of (x-y) <sup>18</sup> is:	A. 9th B. 10th C. 11th D. none of these
7	What is the general term of the geometric sequence -1, 1, -1, 1?	A. (-1) <sup>n</sup> B. (1) <sup>n</sup> C. (-1) <sup>n-1</sup> D. none of these
8	Period of a trigonometric function is:	A. any real number B. any negative real number C. any integer D. a least positive number
9	The identity element with respect to addition is:	A. 0 B. 1 C1 D. 0 and 1
10	sin (Θ - π) =	
11	The series 2 + 2 + 2 is:	A. divergent B. convergent C. oscillatory D. none of these
12	Question Image	D. diagonal matrix
13	$\cos^4\Theta$ - $\sin^4\Theta$ =	A. sin 20 B. cos 20 C. tan 20 D. sec 20
14	If the sum of the roots of $ax^2$ - $(a + 1) x + (2a + 1) = 0$ is 2, then the product of the roots is:	A. 1 B. 2 C. 3 D. 4
15	tan (-135°) =	A. 0 B. 1 D. √2
16	Complex roots of real quadratic equation always occur in:	A. conjugate pair B. ordered pair C. reciprocal pair D. none of these
17	Question Image	
18	Question Image	
19	The value of <sup>5</sup> C <sub>2</sub> is:	A. 1 B. 10 C. 20 D. 30

The next term of the sequence-1, 2, 12, 40, .....is:

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A. 112 B. 212 C. 144 D. none