

11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	Question Image	<p>A. A is superset of B</p> <p>B. B is superset of A</p> <p>C. A is subset of B</p> <p>D. A is equivalent to B</p>
2	Question Image	
3	Question Image	<p>A. 0</p> <p>B. i</p> <p>C. -i</p> <p>D. 1</p>
4	If $z = x + iy = r(\cos \Theta + i \sin \Theta)$, then arg z is:	<p>A. $\tan \Theta$</p> <p>B. $\cos^{-1} \frac{x}{r} + \sin^{-1} \frac{y}{r}$</p> <p>C. r</p> <p>D. Θ</p>
5	Factors of $x^2 + y^2$ are:	<p>A. $(x + iy)(x - iy)$</p> <p>B. $(x + y)(x - y)$</p> <p>C. $(x + y)(x + y)$</p> <p>D. none</p>
6	Which of the following is correct:	<p>A. $2 + 7i$ &gt; $10 + i$</p> <p>B. $1 + i$ &gt; $1 - i$</p> <p>C. $4 + 3i$ &gt; $1 + 3i$</p> <p>D. none of these</p>
7	Question Image	<p>A. i</p> <p>B. 0</p>
8	Question Image	<p>B. $x = 0, y = 0$</p>
9	Question Image	<p>A. z is purely real</p> <p>B. z is any complex number</p> <p>C. z is purely imaginary</p> <p>D. real part of z = imaginary part of z</p>
10	$\tan^{-1}(-\sqrt{3})$ is:	
11	Question Image	
12	$\cos(\tan^{-1} \infty) =$	<p>A. 0</p> <p>B. ∞</p> <p>C. 1</p>
13	$\tan(\pi + \cot^{-1} x) =$	
14	$\tan(\pi + \tan^{-1} x) =$	<p>A. x</p> <p>B. $\pi + x$</p> <p>C. $\pi - x$</p> <p>D. none of these</p>
15	$\cos(2\sin^{-1} x) =$	<p>A. $1 - 2x^2$</p> <p>B. $1 + 2x^2$</p> <p>C. $2x^2 - 1$</p> <p>D. $x^2 - 1$</p>
16	Question Image	<p>A. 0</p>
17	Question Image	
18	Question Image	
19	Question Image	
20	Question Image	