

11th Class ICS Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. 0 B. i C. -i D. 1
2	If $z = x + iy = r(\cos \Theta + i \sin \Theta)$, then $\arg z$ is:	A. $\tan \Theta$ B. $\cos^2 \Theta + \sin^2 \Theta$ C. r D. Θ
3	Factors of $x^2 + y^2$ are:	A. $(x + iy)(x - iy)$ B. $(x + y)(x - y)$ C. $(x + y)(x + y)$ D. none
4	Which of the following is correct:	A. $2 + 7i > 10 + i$ B. $1 + i > 1 - i$ C. $4 + 3i > 1 + 3i$ D. none of these
5	Question Image	A. i B. 0
6	Question Image	B. $x = 0, y = 0$
7	Question Image	A. z is purely real B. z is any complex number C. z is purely imaginary D. real part of $z =$ imaginary part of z
8	Modulus of $15i + 20$ is:	A. 20 B. 15 C. 25 D. none of the above
9	The multiplicative identity of real numbers is:	A. 0 B. 1 C. 2 D. -1
10	Multiplicative inverse of $-i$ is:	A. i B. -i C. 1 D. -1
11	The multiplicative invers of a non-zero real number a is:	A. 0 B. $-a$ C. a
12	The additive inverse of a real number is a :	A. 0 B. $-a$ C. a
13	The identity element with respect to addition is:	A. 0 B. 1 C. -1 D. 0 and 1
14	If $z_1 = 4i$ and $z_2 = 3 - 9i$, then $z_1 + z_2 =$	A. $3 - 5i$ B. $3i - 5$ C. $7 - 9i$ D. $3 + 5i$
15	Every real number is also a/an :	A. integer B. rational number C. irrationalnumber D. complexnumber
16	$i^2 + 1 =$	A. -1 B. 0 C. i D. 1

17	Conjugate of $-3 - 2i$ is:	A. $3 + 2i$ B. $-3 + 2i$ C. $2 + 3i$ D. $-2 + 3i$
18	Conjugate of $a - ib$ is:	A. $b + ia$ B. $-a + ib$ C. $-a - ib$ D. $a + ib$
19	Conjugate of $a + ib$ is:	A. $-a + ib$ B. $a + ib$ C. $-a - ib$ D. $a - ib$
20	Conjugate of complex number $(-a, -b)$ is:	A. $(-a, b)$ B. $(-a, -b)$ C. $(a, -b)$ D. none of these