

11th Class ICS Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	π is defined as:	A. ration of diameter of a circle to its circumference B. ration of the circumference of a circle to its diameter C. ration of area of a circle to its circumference D. ration of the circumference of a circle to its area
2	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
3	Question Image	A. 0 B. i C. -i D. 1
4	Product of a complex number and its conjugate is:	A. a real number B. irrationalnumber C. a complexnumber D. either real number or complexnumber
5	Modulus of $15i + 20$ is:	A. 20 B. 15 C. 25 D. none of the above
6	Conjugate of $-3 - 2i$ is:	A. $3 + 2i$ B. $-3 + 2i$ C. $2 + 3i$ D. $-2 + 3i$
7	Question Image	B. archimedean property C. transitive property D. multiplicative property
8	Question Image	A. rationalnumber B. irrationalnumber C. naturalnumber D. wholenumber
9	Question Image	
10	The imaginary part of the complex number $a + bi$ is:	A. a B. b C. bi D. none of these
11	Every real number is also a/an:	A. integer B. rational number C. irrationalnumber D. complexnumber
12	Rational numbers are:	A. repeating decimals B. terminatingdecimals C. periodicdecimals D. all of these
13	Question Image	A. integer B. rationalnumber C. irrationalnumber D. naturalnumber
14	The additive inverse of a real number is a:	A. 0 B. -a C. a
15	Question Image	A. i B. 0 A. closure property w.r.t multiplication

16	Question Image	B. commutative property w.r.t multiplication C. associative property w.r.t multiplication D. trichotomy property
17	Multiplicative inverse of $-i$ is:	A. i B. $-i$ C. 1 D. -1
18	The identity element with respect to addition is:	A. 0 B. 1 C. -1 D. 0 and 1
19	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
20	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