11th Class FA Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Modulus of 15 i + 20 is:	A. 20 B. 15 C. 25 D. none of the above
2	Multiplicative inverse of -i is:	A. i B. -i C. 1 D. -1
3	The additive inverse of a real number is a:	A. 0 B. -a C. a
4	Factors of $x^2 + y^2$ are:	A. (x + iy) (x - iy) B. (x + y) (x - y) C. (x + y) (x + y) D. none
5	The ordered pairs (2, 5) and (5, 2) are:	A. not equal B. equal C. disjoint D. empty
6	Question Image	A. 0 B. i C. -i D. 1
7	Question Image	B. archimedean property C. transitive property D. multiplicative property
8	The imaginary part of the complex number a + bi is:	A. a B. b C. bi D. none of these
9	The multiplicative identity of real numbers is:	A. 0 B. 1 C. 2 D. -1
10	Question Image	A. Additive property B. Multiplicativeproperty C. Reflexiveproperty D. Transitive property
11	Question Image	A. x = 0 B. y = 0 C. x = 0 and y = 0 D. x = 0 or y = 0
12	Question Image	A. rationalnumber B. irrationalnumber C. naturalnumber D. wholenumber
13	Every real number is also a/an:	A. integer B. rational number C. irrationalnumber D. complexnumber
14	π, e are:	A. integers B. natural numbers C. rationalnumbers D. irrationalnumbers
15	Irrational numbers are:	A. terminating decimals B. non-terminating decimals C. non-terminating, repeating decimals D. non-terminating, non repeating

16	Question Image	A. Reflexive property B. Symmetricproperty C. Transitiveproperty D. Trichotomyproperty
17	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
18	Question Image	A. closureproperty B. associativeproperty C. commutativeproperty D. trichotomyproperty
19	Question Image	A. rational number B. irrational number C. natural number D. whole number
20	The real part of the complex number a + bi is:	A. b B. -b C. a D. -a
21	Question Image	A. closure property w.r.t multiplication B. commutativeproperty w.r.t multiplication C. associativeproperty w.r.t multiplication D. trichotomy property
22	Question Image	A. cancellation property w.r.t multiplication B. cancellationproperty w.r.t addition C. multiplicativeproperty D. additiveproperty
23	Question Image	
24	Question Image	A. additive property B. multiplicative inverseproperty C. transitive property D. negative property
25	The set of negative integers is closed with respect to:	A. addition B. multiplication C. both (a) and (b) D. subtraction
26	Question Image	
27	Product of a complex number and its conjugate is:	A. a real number B. irrationalnumber C. a complexnumber D. either real number or complexnumber
28	Question Image	A. a + c = b + d B. a + b = c + d C. a - b = c - d D. None of these
29	The identity element with respect to addition is:	A. 0 B. 1 C. -1 D. 0 and 1
30	If z = x + i y = r (cos Θ + i sin Θ), then arg z is:	A. tan Θ B. cos²Θ + sin²Θ C. r D. Θ
31	Question Image	A. real numbers B. complexnumbers C. primenumbers D. oddnumbers
32	Conjugate of a + i b is:	A. -a + ib B. a + ib C. -a - ib D. a - ib
		A. b + ia

33	Conjugate of a- i b is:	B. -a + ib C. -a - ib D. a + ib
34	Zero is:	A. a natural number B. a whole number C. a positive integer D. a negativeinteger
35	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
36	Division of a natural number by another natural number gives:	A. always a natural number B. always an integer C. always a rationalnumber D. always an irrational number
37	Question Image	B. x = 0, y = 0
38	The multiplicative invers of a non-zero real number a is:	A. 0 B. -a C. a
39	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
40	Question Image	A. integer B. rationalnumber C. irrationalnumber D. naturalnumber
41	$i^2 + 1 =$	A. -1 B. 0 C. i D. 1
42	Question Image	A. integer B. rational number C. irrational number D. natural number
43	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
44	Question Image	
45	The set of all rational numbers between 2, 3 is:	A. an empty set B. an infinite set C. a finite set D. a power set
46	Question Image	A. i B. 0
47	Conjugate of -3 -2 i is:	A. 3 + 2i B. -3 + 2i C. 2 + 3i D. -2 + 3i
48	Conjugate of complex number (-a, -b) is:	A. (-a, b) B. (-a, -b) C. (a, -b) D. none of these
49	Rational numbers are:	A. repeating decimals B. terminatingdecimals C. periodicdecimals D. all of these