11th Class FSC Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Conjugate of a + i b is:	A. -a + ib B. a + ib C. -a - ib D. a - ib
2	Question Image	A. integer B. rational number C. irrational number D. natural number
3	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
4	The multiplicative invers of a non-zero real number a is:	A. 0 B. -a C. a
5	Every real number is also a/an:	A. integer B. rational number C. irrationalnumber D. complexnumber
6	Multiplicative inverse of -i is:	A. i B. -i C. 1 D. -1
7	Modulus of 15 i + 20 is:	A. 20 B. 15 C. 25 D. none of the above
8	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
9	Question Image	A. rational number B. irrational number C. natural number D. whole number
10	Question Image	
11	Question Image	A. 0 B. i C. -i D. 1
12	Question Image	
13	Factors of $x^2 + y^2$ are:	A. (x + iy) (x - iy) B. (x + y) (x - y) C. (x + y) (x + y) D. none
14	Product of a complex number and its conjugate is:	A. a real number B. irrationalnumber C. a complexnumber D. either real number or complexnumber
15	The set of negative integers is closed with respect to:	A. addition B. multiplication C. both (a) and (b) D. subtraction
16	Question Image	B. archimedean property C. transitive property D. multiplicative property
		A. a

17	The imaginary part of the complex number a + bi is:	B. b C. bi D. none of these
18	The multiplicative identity of real numbers is:	A. 0 B. 1 C. 2 D. -1
19	Question Image	A. closureproperty B. associativeproperty C. commutativeproperty D. trichotomyproperty
20	Question Image	A. integer B. rationalnumber C. irrationalnumber D. naturalnumber
21	Question Image	A. additive property B. multiplicative inverseproperty C. transitive property D. negative property
22	Irrational numbers are:	A. terminating decimals B. non-terminating decimals C. non-terminating, repeating decimals D. non-terminating, non repeating
23	The ordered pairs (2, 5) and (5, 2) are:	A. not equal B. equal C. disjoint D. empty
24	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
25	π, e are:	A. integers B. natural numbers C. rationalnumbers D. irrationalnumbers
26	Question Image	A. a + c = b + d B. a + b = c + d C. a - b = c - d D. None of these
27	Question Image	A. cancellation property w.r.t multiplication B. cancellationproperty w.r.t addition C. multiplicativeproperty D. additiveproperty
28	The identity element with respect to addition is:	A. 0 B. 1 C. -1 D. 0 and 1
29	The additive inverse of a real number is a:	A. 0 B. -a C. a
30	Question Image	A. Additive property B. Multiplicativeproperty C. Reflexiveproperty D. Transitive property
31	Question Image	A. Reflexive property B. Symmetricproperty C. Transitiveproperty D. Trichotomyproperty
32	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
33	Rational numbers are:	A. repeating decimals B. terminatingdecimals C. periodicdecimals D. all of these

34	Question Image	A. i B. 0
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	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
37	Question Image	A. real numbers B. complexnumbers C. primenumbers D. oddnumbers
38	Conjugate of -3 -2 i is:	A. 3 + 2i B. -3 + 2i C. 2 + 3i D. -2 + 3i
39	Question Image	A. x = 0 B. y = 0 C. x = 0 and y = 0 D. x = 0 or y = 0
40	Question Image	A. rationalnumber B. irrationalnumber C. naturalnumber D. wholenumber
41	The real part of the complex number a + bi is:	A. b B. -b C. a D. -a
42	$i^2 + 1 =$	A. -1 B. 0 C. i D. 1
43	Conjugate of a- i b is:	A. b + ia B. -a + ib C. -a - ib D. a + ib
44	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
45	Question Image	A. closure property w.r.t multiplication B. commutativeproperty w.r.t multiplication C. associativeproperty w.r.t multiplication D. trichotomy property
46	Zero is:	A. a natural number B. a whole number C. a positive integer D. a negativeinteger
47	Conjugate of complex number (-a, -b) is:	A. (-a, b) B. (-a, -b) C. (a, -b) D. none of these
48	Question Image	B. x = 0, y = 0
49	Question Image	