11th Class FSC Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. rational number B. irrational number C. natural number D. whole number
2	Question Image	A. rationalnumber B. irrationalnumber C. naturalnumber D. wholenumber
3	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
4	Question Image	A. integer B. rationalnumber C. irrationalnumber D. naturalnumber
5	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
6	Irrational numbers are:	A. terminating decimals B. non-terminating decimals C. non-terminating, repeating decimals D. non-terminating, non repeating
7	Rational numbers are:	A. repeating decimals B. terminatingdecimals C. periodicdecimals D. all of these
8	π, e are:	A. integers B. natural numbers C. rationalnumbers D. irrationalnumbers
9	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
10	Zero is:	A. a natural number B. a whole number C. a positive integer D. a negativeinteger
11	Question Image	A. integer B. rational number C. irrational number D. natural number
12	The set of negative integers is closed with respect to:	A. addition B. multiplication C. both (a) and (b) D. subtraction
13	Question Image	A. x = 0 B. y = 0 C. x = 0 and y = 0 D. x = 0 or y = 0
14	Question Image	A. a + c = b + d B. a + b = c + d C. a - b = c - d D. None of these

15	Question Image	A. Additive property B. Multiplicativeproperty C. Reflexiveproperty D. Transitive property
16	Question Image	A. additive property B. multiplicative inverseproperty C. transitive property D. negative property
17	Question Image	A. Reflexive property B. Symmetricproperty C. Transitiveproperty D. Trichotomyproperty
18	Question Image	A. cancellation property w.r.t multiplication B. cancellationproperty w.r.t addition C. multiplicativeproperty D. additiveproperty
19	Question Image	A. closure property w.r.t multiplication B. commutativeproperty w.r.t multiplication C. associativeproperty w.r.t multiplication D. trichotomy property
20	Question Image	A. closureproperty B. associativeproperty C. commutativeproperty D. trichotomyproperty
21	Question Image	
22	Question Image	
23	Question Image	
24	Question Image	B. archimedean property C. transitive property D. multiplicative property
25	Question Image	A. real numbers B. complexnumbers C. primenumbers D. oddnumbers
26	The real part of the complex number a + bi is:	A. b B. -b C. a D. -a
27	The imaginary part of the complex number a + bi is:	A. a B. b C. bi D. none of these
28	Product of a complex number and its conjugate is:	A. a real number B. irrationalnumber C. a complexnumber D. either real number or complexnumber
29	The ordered pairs (2, 5) and (5, 2) are:	A. not equal B. equal C. disjoint D. empty
30	Conjugate of complex number (-a, -b) is:	A. (-a, b) B. (-a, -b) C. (a, -b) D. none of these
31	Conjugate of a + i b is:	A. -a + ib B. a + ib C. -a - ib D. a - ib
32	Conjugate of a- i b is:	A. b + ia B. -a + ib C. -a - ib D. a + ib
33	Conjugate of -3 -2 i is:	A. 3 + 2i B. -3 + 2i C. 2 + 3i D. -2 + 3i

		D. 2 + 3i
34	$i^2 + 1 =$	A. -1 B. 0 C. i D. 1
35	Every real number is also a/an:	A. integer B. rational number C. irrationalnumber D. complexnumber
36	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
37	The identity element with respect to addition is:	A. 0 B. 1 C. -1 D. 0 and 1
38	The additive inverse of a real number is a:	A. 0 B. -a C. a
39	The multiplicative invers of a non-zero real number a is:	A. 0 B. -a C. a
40	Multiplicative inverse of -i is:	A. i B. -i C. 1 D. -1
41	The multiplicative identity of real numbers is:	A. 0 B. 1 C. 2 D. -1
42	Modulus of 15 i + 20 is:	A. 20 B. 15 C. 25 D. none of the above
43	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
44	Question Image	B. x = 0, y = 0
45	Question Image	A. i B. 0
46	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
47	Factors of $x^2 + y^2$ are:	A. (x + iy) (x - iy) B. (x + y) (x - y) C. (x + y) (x + y) D. none
48	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
49	Question Image	A. 0 B. i C. -i D. 1