

## 11th Class FSC Mathematics Chapter 1 Test Online

| Sr | Questions                                                     | Answers Choice                                                                                                                        |
|----|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Question Image                                                |                                                                                                                                       |
| 2  | Product of a complex number and its conjugate is:             | A. a real number<br>B. irrationalnumber<br>C. a complexnumber<br>D. either real number or complexnumber                               |
| 3  | The set of negative integers is closed with respect to:       | A. addition<br>B. multiplication<br>C. both (a) and (b)<br>D. subtraction                                                             |
| 4  | $i^2 + 1 =$                                                   | A. -1<br>B. 0<br>C. i<br>D. 1                                                                                                         |
| 5  | Irrational numbers are:                                       | A. terminating decimals<br>B. non-terminating decimals<br>C. non-terminating, repeating decimals<br>D. non-terminating, non repeating |
| 6  | Question Image                                                | A. Additive property<br>B. Multiplicativeproperty<br>C. Reflexiveproperty<br>D. Transitive property                                   |
| 7  | The real part of the complex number $a + bi$ is:              | A. b<br>B. -b<br>C. a<br>D. -a                                                                                                        |
| 8  | The identity element with respect to addition is:             | A. 0<br>B. 1<br>C. -1<br>D. 0 and 1                                                                                                   |
| 9  | Which of the following is correct:                            | A. $2 + 7i > 10 + i$<br>B. $1 + i > 1 - i$<br>C. $4 + 3i > 1 + 3i$<br>D. none of these                                                |
| 10 | $\pi$ , e are:                                                | A. integers<br>B. natural numbers<br>C. rationalnumbers<br>D. irrationalnumbers                                                       |
| 11 | Division of a natural number by another natural number gives: | A. always a natural number<br>B. always an integer<br>C. always a rationalnumber<br>D. always an irrational number                    |
| 12 | Every real number is also a/an:                               | A. integer<br>B. rational number<br>C. irrationalnumber<br>D. complexnumber                                                           |
| 13 | The ordered pairs (2, 5) and (5, 2) are:                      | A. not equal<br>B. equal<br>C. disjoint<br>D. empty                                                                                   |
| 14 | Question Image                                                | A. $a + c = b + d$<br>B. $a + b = c + d$<br>C. $a - b = c - d$<br>D. None of these                                                    |
| 15 | Modulus of $15i + 20$ is:                                     | A. 20<br>B. 15<br>C. 25<br>D. none of the above                                                                                       |

|    |                                                  |                                                                                                                                    |
|----|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 16 | Conjugate of $-3 - 2i$ is:                       | A. $3 + 2i$<br>B. $-3 + 2i$<br>C. $2 + 3i$<br>D. $-2 + 3i$                                                                         |
| 17 | The set of all rational numbers between 2, 3 is: | A. an empty set<br>B. an infinite set<br>C. a finite set<br>D. a power set                                                         |
| 18 | Question Image                                   | A. $z$ is purely real<br>B. $z$ is any complex number<br>C. $z$ is purely imaginary<br>D. real part of $z$ = imaginary part of $z$ |
| 19 | Conjugate of $a - ib$ is:                        | A. $b + ia$<br>B. $-a + ib$<br>C. $-a - ib$<br>D. $a + ib$                                                                         |
| 20 | Question Image                                   | B. archimedean property<br>C. transitive property<br>D. multiplicative property                                                    |