

**OXFORD INTERNATIONAL SCHOOL IQBAL CAMPUS**

**1ST CHECK POINT 2024**

**Name: Grade:IX**

**Subject: Mathematics.**

**/25**

**Q1 (a): Multiple Choice Questions.**

**/5**

1. The additive inverse of is
2. 1/ b. - c. -5 d.
3. (5i).(-2i) = \_\_\_\_\_\_

a. 10 b. -10 c. -10i d. 10i

1. x = \_\_\_\_\_

a. 2 b. -2 c. -2i d. 2i

1. The characteristics of log 54.58 is \_\_\_\_\_\_

a. 0 b. 1 c. 2 d. 4

1. The base of common logarithm is \_\_\_\_\_\_
2. 5 b. 10 c. e d. 100

**Q1 (b): Multiple Choice Questions. /5**

* 1. The logarithm having base 10 is called \_\_\_\_\_\_.
  2. The logarithm form of a10 =y is \_\_\_\_\_\_.
  3. The exponential form x=loga y is \_\_\_\_\_
  4. Logarithm was invented by \_\_\_\_\_\_\_\_
  5. is a \_\_\_\_\_\_\_\_\_ number.

**Q2: Simplify and write your answer in form of a+ib. /3**

* + 1. (1+i)4

**Q3: Solve each of the following equation.**

1. If z1 = 1 +1i and z2 = 1-I, verify that,

z1 z2 = z1 . z2 **/4**

**Q3: Express the following logarithm in terms of logax , logay, and logaz. /3**

1. Loga

**Q4: Find the values of the following by using logarithm.**

1. 25.753 x 0.5341 x 490.8 **/5**