

Paper: MathsTotal Marks: 15Month Test: May

Obt. Marks: _____

Theme/Unit: _____

Grand Total: 75

Objective: _____

ID: _____

Time: _____

Name: _____

class: 9th

Section: _____



Q. No. 1: Encircle the correct option:

/15

1. The order of matrix $\begin{bmatrix} 2 & 1 \end{bmatrix}$ is

- a. 2 – by – 1
- b. 1 – by – 2
- c. 1 – by – 1
- d. 2 – by – 2

2. In matrix, the entries presented in horizontal way are called:

- a. Rows
- b. Columns
- c. Entries
- d. Matrix

3. Under multiplication, which law does not hold in general:

- a. Associative law
- b. Commutative law
- c. Multiplicative law
- d. Distributive law

4. If $\begin{vmatrix} 2 & 6 \\ 3 & x \end{vmatrix} = 0$, then x is equal to:

- a. 9
- b. -6
- c. 6
- d. -9

5. A matrix A is called null matrix if each of its entry is

- a. 0
- b. 1
- c. 2
- d. 3

6. The value of i^9 is

- a. 1
- b. -1
- c. i
- d. -i

7. The standard form of $\frac{1}{1+2i}$ is:

- a. $1+2i$
- b. $\frac{1}{5} - \frac{1}{5}i$
- c. $\frac{1}{5} + \frac{1}{5}i$

- d. $1 - 2i$
8. Every real number is:
- A positive integer
 - A rational number
 - A negative integer
 - A complex number
9. The real part of number $-3i+2$ is:
- 3
 - 2
 - 3
 - 2
10. $\forall a, b \in R$
- $A < b$ OR $a = b$ OR $a > b$
 - Trichotomy property
 - Additive property
 - Multiplicative property
11. If $a^x = n$ then
- $A = \log_x n$
 - $X = \log_n a$
 - $X = \log_a n$
 - $A = \log_n x$
12. The value of $\log_5 n = 2$ then value of n is:
- 15
 - 25
 - 35
 - 50
13. The scientific notation of 0.00643:
- 6.43×10^3
 - 6.43×10^{-3}
 - 64.3×10^2
 - 6.43×10^{-2}
14. The value of $\log (A \times B)$ is:
- $\log A + \log B$
 - $\log A - \log B$
 - $\log A \div \log B$
 - $\log A \times \log B$
15. The ordinary notation of 7.865×10^8
- 786500000
 - 78650000
 - 0.00007865
 - 786500