UNSOLVED

Mathematics (Science)	Lahore Board 9th - 2022	Paper – I
Time: 15 Min.	(Objective Type)	Marks : 15

(Group – I)

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer -book. Cutting or filling two or more circles will result in zero mark in that question.

1 Arthur Cayley introduced the theory of matrices in:

A 1854 B 1856

C 1858 D 1860

2 $\sqrt[3]{a}$ is usually written as:

A $(a)^{\frac{1}{3}}$ B $\sqrt{a}$

C $(\sqrt{a})^{\frac{1}{3}}$ D $\sqrt{a^{\frac{1}{3}}}$

3. If $y = \log_z x$ then:

A $x^y = z$ B $z^y = x$

C $x^z = y$ D $y^x = z$

4 $4x + 3y - 2$ is an algebraic:

A Expression B Sentence

C Equation D Ineqution

5 Find 'm' so that $x^2 + 4x + m$ is a complete square:

A 8 B -8

C 4 D 16

6 The square root of $a^2 - 2a + 1$ is ----:

A $\pm(a-1)$ B $\pm(a+1)$

C $(a-1)$ D $a+1$

7 The solution set of $|x-4| = -4$ is:

A $\{-8\}$ B $\{\ \}$

C $\{0\}$ D $\{8\}$

8 Point (-3, -3) lies in quadrant:

A I B II

C III D IV

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9 Mid point of the line segment joining A(2 , 5) and B(-1 , 1) is:

A (3 , 7) B $\left(\frac{1}{3}, 2\right)$

C (1 , 6) D $\left(\frac{1}{2}, 3\right)$

10 The symbol used for approximately is:

A $\approx$ B $=$

C $\neq$ D $\cong$

11 In parallelogram ospposite sides are:

A Non-congruent B Parallel

C Un-parallel D Unequal

12 In shape congruent triangles are:

A Different B Parallel

C Similar D Non-similar

13 Equility of — ratios is called proportion:

A Five B Four

C Three D Two

14 A triangular region means the — of triangle and its interior:

A Union B Outlines

C Compliment D Intersection

15 The medians of a triangle cut each other in the ratio ---:

A 4:1 B 3:1

C 2:1 D 1:1

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