

Math (Science)	9th...2018 Gujranwala Board	Paper (Objective Type)
Time: 20 Minutes	(Group-II)	Max Marks: 15

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.

1-1 The order of matrix $[2 \ 1]$ is:

(A) $2 - by - 1$ (B) $1 - by - 2$

(C) $1 - by - 1$ (D) $2 - by - 2$

2 Write $\sqrt[7]{x}$ in exponential form

(A) x (B) x^7

(C) $x^{\frac{1}{7}}$ (D) $x^{\frac{7}{2}}$

3 $\log_a a \times \log_c b$ can be written as _____:

(A) $\log_a c$ (B) $\log_c a$

(C) $\log_a b$ (D) $\log_c b$

4 $(3 + \sqrt{2})(3 - \sqrt{2})$ is equal to:

(A) 1 (B) -7

(C) -1 (D) 7

5 What will be added to complete the square of $9a^2 - 12ab$?

(A) $-16b^2$ (B) $16b^2$

(C) $-4b^2$ (D) $+4b^2$

6 H.C.F of $5x^2y^2$ and $20x^3y^3$ is:

(A) $5x^2y^2$ (B) $20x^3y^3$

(C) $100x^5y^5$ (D) $5xy$

7 $x = 0$ is a solution of inequality

(A) $x > 0$ (B) $3x + 5 < 0$

(C) $x + 2 > 0$ (D) $x - 2 < 0$

8 If $(x + 1, y + 1) = (0, 0)$, then (x, y) is:

(A) $(1, -1)$ (B) $(-1, 1)$

(C) $(1, 1)$ (D) $(-1, -1)$

9 Mid-point of the points $(2, -2)$ and $(-2, 2)$ is:

(A) $(2, 2)$ (B) $(-2, -2)$

(C) $(0, 0)$ (D) $(-1, -1)$

10 In a triangle, there can be _____ right angles.

(A) 1 (B) 2

(C) 3 (D) 4

11 If two opposite sides of a quadrilateral are congruent and parallel, it is a _____

(A) rhombus (B) parallelogram

(C) square (D) trapezium

12 The right bisectors of the sides of a triangle are

(A) overlapping (B) collinear

(C) concurrent (D) non-concurrent

13 One and only one line can be drawn through _____ points.

(A) 1 (B) 2

(C) 3 (D) 4

14 The region enclosed by the boundary lines of a closed figure is called _____ of the figure.

(A) perimeter (B) volume

(C) area (D) length

15 If the three altitudes of a triangle are congruent, then the triangle is _____

(A) right angled (B) isosceles

(C) equilateral (D) acute angled