MATHEMATICS	9th 2022 Gujranwala Board	Paper-I
Time: 20 Min.	Objective Type	Marks: 15

(Group – II)

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 Symbol used for 'approximate' is:

Ⓐ ≈ Ⓑ ÷

Ⓒ = Ⓓ ≅

2 A parallelogram has _____ right angles.

Ⓐ 0 Ⓑ 1

Ⓒ 2 Ⓓ 3

3 HCF of $x^2 - 5x + 6$ and $x^2 - x - 6$ is:

Ⓐ $x - 3$ Ⓑ $x + 2$

Ⓒ $x^2 - 4$ Ⓓ $x - 2$

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

Ⓐ 9 Ⓑ –6

Ⓒ 6 Ⓓ –9

5 One angle on the base of an isosceles triangle is 30°, its vertical angle is:

Ⓐ 30° Ⓑ 60°

Ⓒ 90° Ⓓ 120°

6 A line segment has _____ end points:

Ⓐ 2 Ⓑ 3

Ⓒ 4 Ⓓ 5

7 A triangle having all sides different is called:

Ⓐ Isosceles Ⓑ Scalene

Ⓒ Equilateral Ⓓ None of these

8 $(\sqrt{a} + \sqrt{b})(\sqrt{a} - \sqrt{b})$ is equal to:

Ⓐ $a^2 + b^2$ Ⓑ $a^2 - b^2$

Ⓒ $a - b$ Ⓓ $a + b$

9 $x = 0$ is the solution of the inequality _____:

Ⓐ $x > 0$ Ⓑ $x + 2 < 0$

Ⓒ $3x + 5 < 0$ Ⓓ $x - 2 < 0$

10 _____ has no unit.

Ⓐ Ratio Ⓑ Length

Ⓒ Area Ⓓ Perimeter

11 Factors of $a^4 - 4b^4$ are _____:

Ⓐ $(a - b)(a + b)(a^2 + 4b^2)$

Ⓑ $(a - b)(a + b)(a^2 - 4b^2)$

Ⓒ $(a^2 - 2b^2)(a^2 + 2b^2)$

Ⓓ $(a - 2b)(a^2 + 2b^2)$

12 The value of $\log\left(\frac{p}{q}\right)$ is:

Ⓐ $\frac{\log p}{\log q}$ Ⓑ $\log p - \log q$

Ⓒ $\log q - \log p$ Ⓓ $\log^2 p + \log^2 q$

13 Point (–3, 3) lies in _____ quadrant:

Ⓐ *IV* Ⓑ *III*

Ⓒ *I* Ⓓ *II*

14 The conjugate of $5 + 4i$ is:

Ⓐ $-5 + 4i$ Ⓑ $-5 - 4i$

Ⓒ $5 - 4i$ Ⓓ $5 + 4i$

15 Area of given figure is:

Ⓐ 5 cm² Ⓑ 20 cm²

Ⓒ 10 cm² Ⓓ 25 cm²