MATHEMATICS (New) 9th AAC	Paper Code	Roll No. of the Student
Time: 20 Minutes Marks: 15	① ● ③	
Multiple Choice Questions 01 Mark for each		Serial No. Of the Answer Book _____

P-533

SECTION-A

Note:

1) Attempting all MCQs is compulsory. This paper along with the OMR sheet must be returned to the superintendent after due time.
2) Fill the circle Ⓐ Ⓑ Ⓒ Ⓓ, which one is correct with blue or black ball in separate OMR Sheet like ●
3) If more than one circle in the OMR sheet is filled then no credit will be given to such answer.

I. i. The point (-6,-6) is located in Quadrant.

Ⓐ I Ⓑ II Ⓒ III Ⓓ IV

ii. The diagonal of _____ does not divide it into two congruent triangles.

Ⓐ Rectangle Ⓑ Square Ⓒ Trapezium Ⓓ Parallelogram

iii. The line segment from opposite vertex to the midpoint of opposite side of a triangle is.

Ⓐ Altitude Ⓑ Bisector Ⓒ Median Ⓓ Radius

iv. Any point on the bisector of an angle is equidistant from its _____.

Ⓐ Base Ⓑ Centre Ⓒ Arms Ⓓ Vertex

v. The sum of the length of any two sides of a triangle is _____ the length of the third side.

Ⓐ Equal Ⓑ Smaller Ⓒ Greater Ⓓ Concurrent

vi. The measure of a line segment joining the midpoints of AB and AC of ΔABC is 3.5cm. The $m\overline{BC}$ will be.

Ⓐ 4.5cm Ⓑ 5.5cm Ⓒ 6cm Ⓓ 7cm

vii. If the length of two sides of a right angled triangle are 12cm and 5cm, then the length of its hypotenuse is.

Ⓐ 12cm Ⓑ 13cm Ⓒ 14cm Ⓓ 15cm

viii. If two triangles have equal bases and equal altitude, what else they have equal?

Ⓐ Area Ⓑ Perimeter Ⓒ Size Ⓓ Angles

ix. Order of the Matrix $\begin{bmatrix} -3 & 2 & 1 \\ 2 & 1 & 3 \end{bmatrix}$ is.

Ⓐ 2x2 Ⓑ 2x3 Ⓒ 3x2 Ⓓ 3x3

x. $\sqrt[n]{a^m} =$ _____.

Ⓐ $a^{n/m}$ Ⓑ a^{mn} Ⓒ na^m Ⓓ $a^{m/n}$

xi. Base of common logarithm is.

Ⓐ 10 Ⓑ 1 Ⓒ e Ⓓ π

xii. $(4xy^4)^3 =$ _____.

Ⓐ $64x^3y^8$ Ⓑ $64x^3y^6$ Ⓒ $64x^3y^{12}$ Ⓓ $64x^3y^7$

xiii. Factors of $8y^3 - z^3$ are.

Ⓐ $2y - z, 4y^2 + 2yz + z^2$ Ⓑ $2y - z, 2y-z, 2y-z$ Ⓒ $2y - z, 4y^2 - 2yz + z^2$ Ⓓ $2y - z, 4y^2 + 2yz - z^2$

xiv. HCF of $(x+6)^2$ and $x^2 - 36$ is.

Ⓐ x-6 Ⓑ x+6 Ⓒ (x+6) (x-6) Ⓓ (x+6) (x+6)

xv. The solution set of $\sqrt{2x} + 5 = 9$ is.

Ⓐ {2} Ⓑ {4} Ⓒ {7} Ⓓ {8}

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