Paper 2014 (Overseas) MCQs

1. If $A = [1\ \ 2\ \ 3]$, the order of A is _____.

A. 2×3 B. 3×1 C. 3×3 D. 1×3

2. A non-terminating, non-recurring decimal represents:

A. Natural B. Rational C. Irrational D. Prime

3. The integral part of the common logarithm of a number is called _____.

A. Mantissa B. Base C. Power D. Characteristics

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

A. $-16b^2$ B. $16b^2$ C. $4b^2$ D. $-4b^2$

5. HCF of $5x^2y^2$ and $20x^3y^3$ is _____.

A. $5x^2y^2$ B. $20x^3y^3$ C. $100x^5y^5$ D. None of these

6. If $y = 2x + 1$ and $x = 2$ then $y =$ ____

A. 2 B. 3 C. 4 D. 5

7. Distance between the points $(1,0)$ and $(0,1)$ is:

A. 0 B. 1 C. $\sqrt{2}$ D. 2

8. The graph of y=7 will be _____.

A. Along x-axis B. Along y-axis
C. Passing through origin D. None of these

9. $10^{-2} =$ _____

A. 0.1 B. 0.01 C. 0.001 D. -100

10. A triangle having two sides congruent is called _____ triangle.

A. Scalene B. Right angled C. Equilateral D. Isosceles

11. The sum of lengths of any two sides of a triangle is _____ than the length of third side

A. Less than B. Greater than C. Equal to D. Half

12. If two medians of a triangle are congruent, then the triangle will be:

A. Isosceles B. Equilateral C. Right angled D. Acute angled

13. If one angle of a right triangle is of 30°, then hypotenuse is _____ as long as the side opposite to the angle.

A. Half B. Twice C. Thrice D. The same

14. The scientific notation of 96,000,000 is _____

A. 96.0×10^7 B. 9.6×10^6 C. 9.6×10^7 D. 96.0×10^6

15. The radical sign $4^{\frac{2}{3}}$ of is _____.

A. $\sqrt[3]{4^2}$ B. $\sqrt[2]{4^3}$ C. $\sqrt[3]{4}$ D. None of these