Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The set of complex numbers forms a group under the binary operation of	A. Addition B. none of these C. Division D. Subtraction
2	Question Image	
3	The value of $\sin^{-1} 24/25$ is equal to	A. $\csc^{-1} 25/24$ B. $\sec^{-1} 24/25$ C. $2 \tan^{-1} 4/5$ D. $2\cos^{-1} 24/25$
4	{1, 2, 3, 4,.....} is set of _____	A. Natural numbers B. Whole numbers C. Integers D. Rational numbers
5	Question Image	A. A B. -A C. A^t D. A^-
6	Question Image	A. parallel vectors B. perpendicular vectors C. concurrent vectors D. collinear vectors
7	The 60th part of one minute is called	A. Degree B. Second C. Radiam D. None of these
8	The identity element with respect to subtraction is	A. 0 B. 1 C. -1 D. Does not exist
9	If b_1, b_2, b_3, ... are in G.P. with first term unity and common ratio r, then the minimum value of b_1- b_3+ $b_5$is equal to	A. 3/4 B. 1/4 C. 1 D. None of these
10	Area of the circle with ends of a diameter at (-3,2) and (5,-6)	A. 128π sq. units B. 64π sq. units C. 32π sq.units D. None of these
11	Two quadratic equation in which xy term is missing and the coefficients of $x^2$and $y^2$are equal, give a linear equation by _____	A. Addition B. Subtraction C. Multiplication D. Division
12	Question Image	
13	Two cards are drawn at random without replacement. the probability that the first is a king and second is not a king is	A. 48 / 663 B. 24 / 663 C. 12 / 663 D. None of these
14	If eccentricity of ellipse becomes zero then it takes the form of	A. A parabola B. A circle C. A straight line D. None of these
15	Question Image	A. 0 B. 1 C. 2 D. 4
16	$\sqrt{25}$ is a number	A. Rational B. Irrational C. Natural D. Odd

17	$4^{1+x} + 4^{1-x} = 10$ is called	A. Reciprocal equation B. Exponential equation C. Radical equation D. None of these
18	The roots of $px^2 - (p-q)x - q = 0$ are	A. equal B. Irrational C. Rational D. Imaginary
19	Question Image	A. a cosec(ax + b) + c B. - a cosec(ax + b) + c
20	Which conjunction is not true ?	