

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	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
2	Question Image	
3	Question Image	
4	Question Image	
5	Question Image	
6	Question Image	A. An expression B. Rational fraction C. Equation D. Identity
7	Question Image	A. Associate law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
8	$x = -1$ is in the solution of the inequality	A. $x + 5 \leq 0$ B. $2x + 3 < 0$ C. $x \geq 0$ D. $2x + 3 \geq 0$
9	An open sentences formed by using the sign of equality '=' is called _____	A. An identity B. An equation C. A polynomial D. None of these
10	If the cutting plane is slightly tilted and cuts only one nappe of the cone, the resulting section is:	A. an ellipse B. Circle C. a hyperbola D. a parabola
11	Question Image	D. None of these
12	Question Image	A. 30° B. 60° C. 45° D. None of these
13	If $a = 2i + 2j$, $b = 3i - j$ and $c = 4i + 5j$, the $3b - a - 2c =$	A. $-i - 15j$ B. $i - 15j$ C. $i - 3j$ D. None of these
14	When rational fraction is separated into partial fractions, the result is	A. an identity B. A fraction C. A partial sum D. Improper fraction
15	Question Image	
16	$\sin 45^\circ =$ _____	
17	$w^{11} =$ _____	A. 0 B. 1 C. w D. w^2
18	The standard parabolic form of the equation $f(x) = x^2 + 4x + 1$ is	A. $x(x+4)+1$ B. $(x+2)^2 - 3$ C. $(x+4)^3 + 9$ D. $x(x-2)^2 + 1$
19	Question Image	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction D. Golden rule of fractions

