

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The set $\{Z \setminus \{0\}\}$ is group w.r.t	A. Addition B. Multiplication C. Division D. Subtraction
2	If $n \in Z^+$ then $(a+x)^n$ is a/an	A. Finite series B. Convergent series C. Infinite series D. Divergent series
3	The equation of the line perpendicular to x- axis and passing through $(-5,3)$ is	A. $y - 3 = 0$ B. $x + 3 = 0$ C. $y - 3 = \infty$ D. $x + 5 = 0$
4	A function of the form $p(x)/Q(x)$ is called:	A. Rational function B. Logarithmic function C. Exponential function D. Hyperbolic function
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
6	The sum of all 2 digit number is	A. 4750 B. 3776 C. 4895 D. 4905
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. quadrant I B. quadrant II C. quadrant III D. quadrant IV
8	The point of concurrency of the right bisectors of the sides of a triangle is called	A. incentre B. circum center C. e-center D. centroid
9	Range of $\sin \theta$ is	
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $x = 0, y = 4$ B. $x = -1, y = 2$ C. $x = 2, y = 3$ D. $x = 3, y = 4$
12	If $f(x) = x^2$ then $f(0)$ is	A. 0 B. 1 C. 2 D. none of these
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. -2 C. 1 D. 4
14	Which of the following is a scalar.	A. electric field B. magnetic field C. weight D. mass
15	$x = 0$ is in the solution of the inequality	A. $x > 0$ B. $3x + 4 \leq 0$ C. $x + 3 \leq 0$ D. $x - 2 \leq 0$
16	The positive real number which is the measure of the length of a vector is called the	A. Unit vector B. Modulus C. Inverse D. None of these
17	If $f(x) = \tan x$ then $f(0)$ is	A. 0 B. 1 C. $1/2$

18 The general value of θ satisfying the equation $2 \sin^2\theta - 3 \sin\theta - 2 = 0$ is

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- A. Linear equation
 - B. Quadratic equation
 - C. Cubic equation
 - D. None of these
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