

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	The set of all antiderivatives of $f(= \int f(x)dx)$ is the	A. Definite integral B. Indefinite integral C. Integral D. Area
3	Question Image	
4	The negative square root of 9 can be written as:	A. $-\sqrt{9}$ B. $\sqrt{9}$ C. $\sqrt{18}$ D. $-\sqrt{18}$
5	The matrix $A = [a_{ij}]_{m \times n}$ with $m \neq n$ is	A. Rectangular B. Symmetric C. Square D. None
6	If n is any positive integer ,t hen $2+4+6+\dots+2n=$	A. 2^{n+1} B. $2^{n+1}+1$ C. $n^{n+1}+1$ D. $n(n+1)$
7	Question Image	
8	$[i,j,k]$	A. 0 B. 2 C. 1 D. -2
9	$f(x) = 3x^4 - 2x^2 + 7$ is:	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
10	$\cos \frac{\theta}{2} =$	
11	If (0,4) and (0,2) are vertex and focus of the parabola respectively, the the equation of the parabola is:	A. $x^2 = 4y - 32$ B. $x^2 = 8y - 32$ C. $y^2 = 16x$ D. $x^2 + 8y = 32$
12	Question Image	
13	Every subset of a finite set is	A. Disjoint B. Null C. Finite D. Infinite
14	p th term of an H.P. is qr and q th term is pr then the r th term of the H.P. is	A. pqr B. 1 C. pq D. pqr^2
15	The transpose of a row matrix is a _____	A. Zero matrix B. Diagonal matrix C. Column matrix D. Row matrix
16	Period of $\cot x$ is _____	
17	A sequence is a function whose domain is	A. \mathbb{N} B. Subset of \mathbb{N} C. \mathbb{R} D. None of these
18	$2x^3 + 3x + 9$ is a _____	A. Polynomial of degree 3 B. Quadratic equation C. Cubic equation

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Question Image

- A. 1
- B. 0
- C. -2
- D. 3

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Question Image