Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. A onto B B. both a & c C. A into B D. none of these
2	Question Image	
3	Question Image	A. 36 B. 360 C. 24 D. 6
4	Question Image	
5	Question Image	
6	The first three terms in the expansion of $(1 - x)^{-2}$ are	A. $1 - 2x + 3x^2$ B. $1 - 2x - 3x^2$ C. $1 + 2x + 3x^2$ D. $-2 - 2x + 3x^2$
7	A quadrilateral whose diagonals are perpendicular bisector of each other is	A. Square B. Rectangle C. Rhombus D. Parallelogram E. Trapezium
8	$\sqrt{23}$ is	A. A rational number B. A irrational number C. An even integer D. A factor of 36
9	An A.P. consists of n(odd terms) and its middle term is m. then the sum of the A.P. is	A. 2 mn B. 1/2 mn C. mn D. mn^2
10	Question Image	
11	Sand falls from a tube in such a way that it forms a cone whose height is always 4/3 times the radius of its base and radius of the base increases at the rate of 1/8 cm/sec. When this radius is 1 meter, the rate at which the amount of sand increases is	
12	If $f(x) = x^2$ then $f(0)$ is	A. 0 B. 1 C. 2 D. none of these
13	The coefficient of the second term of $(a+b)^4$ is	A. 1 B. 9 C. 3 D. 5
14	Question Image	A. [0,1[B. [0, 1] C.]0, 1[D. None of these
15	$\int f(x)$ is known as:	A. Definite itegral B. Indefinite integral C. Fixed integral D. Multiple integral
16	Question Image	
17	The different of tan x is	A. sec2 x B. ln |sec x| C. sec2 xdx D. -cos ec2 x
18	Question Image	D. none of these
		A. 1

19	Question Image	B. 1/2
		C. 0
		D. None

20	If $n \in Z+$ then$(a+x)n$ is a/an	A. Finite series
		B. Convergent series
		C. Infinite series
		D. Divergent series