Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. x³⁹ B. 40x³⁹ C. 40x⁴¹ D. none of these
2	Question Image	B. a f(x) + c C. f(x) + a
3	Question Image	
4	Question Image	B. tan 3x + c C. cot 3x + c D. - cot 3x + c
5	Question Image	A. 0 B. 1 C. -1 D. 2
6	How many term are there in the A.P, in which a_1 = 11 , a_n =68, d=3	A. 30 B. 27 C. 20 D. 21
7	The maximum value of the quadratic function f(x) = 2x2-4x+7,is	A. 3 B. 5 C. -3 D. -5
8	Question Image	A. 8 C. 4 D. 64
9	A cone is generated by all lines through a fixed point and the circumference of	A. a Circle B. an ellipse C. a Hyperbola D. None of these
10	The factorial of a positive integers is a (an)	A. Rational number B. Positive integer C. Real number D. None
11	Question Image	
12	The additive inverse of a matrix A is	D. None of these
13	The principal value of $\sin^{-1}[-\sqrt{(\sqrt{3})}/2]$ is	A. 5π/3 B. -2π/3 C. -<img width="9" height="19" src="file:///C:/Users/Softsol/AppData/Local/Temp/msohtmlclip1/01/clip_image002.png" v:shapes="_x0000_i1025">π/3 <!--[endif]--><o:p></o:p> D. π/3
14	Which is not included in the domain of $\cos^{-1}x$	A. 0 B. 1 C. -1 D. 2
15	Question Image	A. A = C B. A = B C. B = C D. None of these
16	Question Image	A. R B. 2R C. r D. 2r
17	If 4 ^6P_r= $^6P_{r+1}$, then r is equal to	A. 4 B. 3 C. 2 D. 1

18	If a force F = 2i + j +3k acts at point (1,-2,2) of a body then the moment of F about a pint lying on the line of action of the force is	A. 5 B. Equal to the moment of the force about origin C. 0 D. Cannot be found
19	Question Image	
20	In set builder notation the set {0,1,2,.....100} can be written as	A. {x / xε B ∧ x ≤ 100} B. {x / x ∈ W ∧ x < 101} C. {x / x ∈ Z ∧ x < 101} D. The set of first 100 whole numbers