Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. sin x + c B. -sin x + c C. cos x + c D. -cos x + c
2	Question Image	
3	The general solution of the differential equation x dy / dx = 1 + y is:	A. 2 B. 1 C. 3 D. None
4	Question Image	A. 2x cos x2 B. -2xcosxsinx C. 2x Sin x2 D. -Sin x2
5	Question Image	
6	3x + 4 = 0 is	A. not inequality B. equation C. identity D. inequality
7	The sum of first 60 natural numbers is	A. 1830 B. 3660 C. 1640 D. 1770
8	If A is any matrix then its additive inverse is	A. A B. A^{-1} C. A^{t} D. -A
9	Question Image	A. A variable B. A constant C. 0 D. None of these
10	The constant distance of all points of the circle from its centre is called the	A. Radius of the circle B. Secant of the circle C. Chord of the circle D. Diameter of the circle
11	The graph of y < 2 is the	A. Left half plane B. upper half plane C. Right half plane D. Lower half plane
12	The angle between the vectors $\underline{u}$ =2i - i + k and $\underline{v}$ = -i + i is:	A. 3π/2 B. 2π/3 C. 5π/6 D. π/3
13	The integral of $3x^{5}$dx is:	A. 15 x^{4} B. x^{6}/2 C. 1/6x^{5} D. x^{5}/ln3
14	The distance of the point (2, -3) from x-axis is	A. -2 B. -3 C. 2 D. 3
15	Question Image	A. 1, 1/2, 0 B. 1, 2, 1 C. 1, 2, 3 D. 1, 2, 0
16	Question Image	A. G.P B. H.P. C. A.P. D. No particular sequence

17	There are _____ basic techniques for solving a quadratic equation	A. Two B. Three C. Four D. None of these
18	Matrices A = [aij] 2 x 3 and B =[bij] 3 x 2 are suitable for	A. BA B. A^2 C. AB D. B^2
19	Every natural number is	A. A prime number B. An irrational number C. An integer D. An even number
20	For trival solution |A| is	A. A B. |A| is non zero C. A = 0 D. None of these