Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	cos (180° - θ)=	A. sin<i style="text-align: center;">θ</i> B. - cos<i style="text-align: center;">θ</i> C. - sin<i style="text-align: center;">θ</i> D. None of above
2	Te order of the differential equation of all conics whose axes coincide with the axes of co-ordinates is	A. 2 B. 3 C. 4 D. 1
3	If B-A≠φ , then n(B-A) is equal to	A. n(a)+n(c) B. n(c)-n(a) C. n(a)-n(c) D. None of these
4	The fifth term of an A.P. Whose first term is 5 and common difference is 3,is	A. 20 B. 17 C. 25 D. 30
5	Question Image	
6	Question Image	D. none of these
7	The statement that a group can have more than one identity elements is	A. True B. False C. Fallacious D. Some times true
8	Question Image	
9	Question Image	
10	The number of combinations of 10 different objects taken 8 objects at a time is	A. 90 B. 45 C. 55 D. 50
11	sin5θ+sin3θ = _____;	A. 2sin 4θ cosθ B. 2cos 4θ sinθ C. 2cos 4θ cosθ D. -2sin 4θ sinθ
12	The set of complex numbers forms	A. Commutative group w.r.t addition B. Commutative group w.r.t multiplication C. Commutative group w.r.t division D. Non commutative group w.r.t addition
13	_____ invented a symbolic way to write the statement "y is a function of x" as y= f(x)	A. Leibniz B. Newton C. Euler D. None of these
14	Sum of two quantities is at least 20 is denoted by	A. x +y =20 B. x +y≥ 20 C. x +y≠ 20 D. x +y≤20
15	Gooch crucible is made of :	A. Brass. B. Porcelain. C. Bronze. D. Gold.
16	Question Image	A. 2 B. 4 C. 3 D. 16
		A. -3, -1, 1, 3

17	If $a_n = 2n - 3$, write the first four terms	B. 1, 3, 5, 7
		C. -1, 1, 3, 5
		D. None of these

| 18 | Question Image | |

19	Question Image	A. c = 0
		B. c = -1
		C. c = -2
		D. c = 1

20	The exact value of $\cos^{-1}(-1) + \cos^{-1}(1) =$	A. π
		B. -π
		C. π/2
		D. π/3