Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If z_1 = (a,b), z_2=(c,d), then z_1 z_2 = ----------	A. (ac,bd) B. (ac+bd, ad-bc) C. (ac-bd , ad+bc) D. (ac-bd , ad-bc)
2	Question Image	A. A(α) - A(β) B. A(α) + A(β) C. A(α-β) D. A(α+β)
3	The roots of ax2 + bx + c = 0 are always unequal if	A. b2 - 4ac = 0 B. b2- 4ac ≠ 0 C. b2- 4ac > 0 D. b2- 4ac ≥ 0
4	Domain of cot$\theta$is	
5	Question Image	A. Associate law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
6	For any equilateral r :R :η :r1 :r2 :r3 =	A. 1:2:3:4:5 B. 1:2:3:3:3 C. 1:2:4:4:4 D. 2:1 :2 :2 :2
7	The set of all positive even integers is	A. Not a group B. A group w.r.t subtraction C. A group w.r.t division D. A group w.r.t multiplication
8	cos 2$\alpha=$	A. sin²α + cos²<span style="color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 24px; text- align: center; background-color: rgb(255, 255, 224);">α B. -cosθ C. tan<span style="color: rgb(34, 34,

		34); font-family: "Times New Roman"; font-size: 24px; text-align: center; background-color: rgb(255, 255, 224);">θ D. None of these
9	The function f : x→ y defined as f (x) =α∀x∈ X,α∈ y is called	A. Constant function B. Polynomial function C. Identity function D. Linear function
10	cos 3a =_____;	A. 3sin a - 4sin3 a B. 4sin a - 3sin3 a C. 3cos3 a - 4cos a D. 4cos3a - 3cos a
11	Question Image	A. 1 B. 2 C. 3 D. None of these
12	sin h x = _____	
13	Question Image	A. 4A - 3I B. 3A - 4I C. A - I D. None of these
14	If n € N , then n(n+3) is always	A. Multiple of 3 B. Multiple of 6 C. odd D. even
15	Question Image	
16	Question Image	
17	For all points (x,y) on x-axis	A. x is positive B. x is negative C. y = 0 D. y is negative
18	Question Image	A. A rational number B. An irrational number C. An odd number D. A prime number
19	The 60th part of one minute is called	A. Degree B. Second C. Radiam D. None of these
20	The statement that a group can have more than one identity elements is	A. True B. False C. Ambiguous D. Some times true