Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	$(1 + 2x)^4$= _____	A. 1 + 4x + 6x²+ 4x³+ x⁴ B. 1 - 4x + 6x²- 4x³+ x⁴ C. 1 - 8x + 24x²- 32x³+ 16x⁴ D. 1 + 8x+ 24x²+ 32x³+ 16x⁴
2	If in a set of real no a is multiplicative identity then	A. a,a = a² B. a,a = 1 C. a,a = 0 D. None of these
3	$i^{(4n+2)}$ = ----------	A. 1 B. i C. -1 D. -i
4	Question Image	
5	The additive inverse of 2/3 is	A. 3/2 B. -2/3 C. -3/2 D. 0
6	Question Image	A. 0 B. 1 C. 2 D. None of these
7	Question Image	A. 1 B. -1 C. 0 D. None of these
8	One degree is denoted by	A. 1⁰ B. 1' C. 1" D. 1 rad
9	The corner point of the boundary lines, x-2y 2x + y = 2 is:	A. (2,6) B. (6,2) C. (-2,2) D. (2,-2)
10	$a.a^{-1} = a^{-1}.a = 1$ is a	A. Commutative law of multiplication B. Multiplicative identity C. Associative law of multiplication D. Multiplicative inverse
11	If $x^4 - 10x^2 - 2x + 4$ is divided by x + 3, then the reminder is	A. 1 B. 0 C. 4 D. None of these
12	Question Image	
13	Tan $2\theta =$	
14	√x = _____ if is a prime number	A. Rational no B. Natural no C. Irrational no D. Complex no
15	The magnitude of a vector can never be	A. Zero B. Negative C. Positive D. None of these
16	The real number system contains.	A. Positive Numbers B. Negative numbers C. Zero

		D. (option a, b and c)
17	If a = 2i +2j, b= 3i -j and c=4i +5j, the 3b -a-2c =	A. -i -15j B. i-15j C. i-3j D. None of these
18	Question Image	A. Conclusion B. Implication C. Antecedent D. Hypothesis
19	In triangle ABC, in which b=95, c=34, a =52 then the value of a=	A. 18 cm B. 18.027 cm C. 20.7 cm D. 19 cm
20	If A is a set then any subset R of A x A is called	A. relation on A B. relation on B C. relation from A to B D. relation from B to A