Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If 4 $\sin^2\theta$=1, then values of$\theta$are	
2	If n is a positive integer then n! is	A. (n - 1) (n - 2) .....3,.2.1 B. n(n - 1) (n - 2) ...3.2.1 C. n(n - 1) (n -2) ... 3 D. None of these
3	The series obtained by adding the terms of an arithmetic sequence is called the	A. Infinite series B. Harmonic series C. Geometric series D. Arithmetic series
4	The number of combinations of 10 different objects taken 8 objects at a time is	A. 90 B. 45 C. 55 D. 50
5	tanθ/2	
6	i^3=	A. -1 B. i C. -i D. 1
7	If w+w2 is a root of (x+1)(x+2)(x+3)(x+4) = k, then	A. k=0 B. k=1 C. k=w D. k=w2
8	Tan 180° = _____	A. -1 B. 0 C. 1 D. Undefined
9	If $(1+x)^n=C_0+ C_1x +C_2x^2+ .....+C_nx^1$then $C_0C_2+ C_1C_3+ C_2C_4+ .....+C_{n-2}C_n$=	
10	Question Image	A. π / 2 B. π / 3 C. π / 4 D. π
11	If a > 0 they parabola y2 =-4ax lies in	A. I and iv quadrant B. I quadrant C. II and III quadrant D. All are incorrect
12	When rational fraction is separated into partial fractions, the result is	A. an identity B. A fraction C. A partial sum D. Improper fraction
13	The unit vector along x-axis is	D. none of these

14	For an A.P common difference d	A. Can be zero B. May or may not zero C. Cannot be zero D. None of these
15	The roots of (b-c)x2+(c-a) x+a-b=0 are equal if	A. 2b = a+c B. 2a = b+c C. 2c = a+b D. a + b + c =0
16	Domain of cos$\theta$is	A. Set of odd numbers B. Set of integers C. Set of real numbers D. Set of complex numbers
17	Question Image	A. Singular B. Non-singular C. Adjoint D. None of above
18	The modulus of a vector i-i+ k is:	A. √3 B. 1 C. √2 D. ∞
19	The set {-1,1} is closed under the binary operation of	A. Addition B. Multiplication C. Subtraction D. Division
20	Domain of sin$\theta$is	A. Set of real numbers B. Set of complex numbers C. Set of natural numbers D. Set of even numbers