Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	-2, 1, 4, 7,.... is _____	A. Harmonic sequence B. Arithmetic sequence C. Geometric sequence D. Arithmetic series
2	Question Image	
3	Question Image	A. A natural number B. A rational number C. An irrational number D. A whole number
4	Question Image	
5	Area bounded between the curve xy=2 and the lines x=1 and x=2	A. ln2 square units B. ln√2 square units C. ln4 square units D. Square units
6	The liner equation ax + by = c is called _____ of the inequality ax +by > c.	A. Associated equation B. Non-associated equation C. disjoint equation D. Feasible equation
7	The point of concurrency of the medians of the ΔABC is called its	A. Orthocenter B. Centriod C. Circumcentre D. Incentre
8	If a polynomial P(x) is divided by x + a, then the remiander is	A. P(a) B. P(-a) C. P(0) D. None of these
9	The sum of coefficients in the binomial expansion equals to	A. 2 B. 2ⁿ⁺¹ C. 2ⁿ⁻¹ D. 2ⁿ
10	Question Image	
11	2/9,5/7∈ R,(2⎪9)(5⎪7)=10/63∈R this property is called	A. Associative property B. Identity property C. Commutative property D. Closure property w.r.t multiplication
12	The ratio in which the line y- x+ 2 =0 divides the line joining (3,-1) and (8,9) is	A. 2:3 B. -2:3 C. 3:2 D. -3:2
13	$\sin\alpha =$	A. 2 sinαcosα B. 2 sinαcosβ

		C. 2 sin<i style= text-align: center;">α/2 cosα/2 D. 1+ tan²α/2
14	The set {{a,b}} is	A. Infinite set B. Singleton set C. Two points set D. None
15	Question Image	A. x = 3 B. x = 1/5 C. x = 0 D. None of these
16	xy= 2 is:	A. a constant function B. an identity function C. an improper function D. implicit function
17	Question Image	
18	The number of ways of arranging the letter AAAAA BBB CCC D EE F in a row when no two C's are together is	
19	Question Image	
20	Question Image	