Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Which of the following integrals can be evaluated	
2	The set {-1,1} is closed under the binary operation of	A. Addition B. Multiplication C. Subtraction D. Division
3	If the circumference of a circle is divided into 360 congruent parts, the angle subtended by one part at the centre of the circle is	A. 1⁰ B. 1' C. 1" D. 1 rad
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	For f(x) = x2, what is the value of f(a) +f (-a) in terms of a?	A. 3a2 B. 2a2 C. 2a D. -7a
6	Question Image	A. I quadrant B. II quadrant C. III quadrant D. IV quadrant
7	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
8	tan (-135°) = _____θ	A. 0 B. 1 C. 2 D. 3
9	The point (1,3) is one solution of	A. 3x + 5y > 29 B. 3x + 5y < 7 C. x + 2y < 4 D. x + 4y > 3
10	Question Image	
11	The series obtained by adding the terms of a geometric sequence is called	A. Infinite series B. Arithmetic series C. Geometric series D. Harmonic series
12	The area of sector with central angle of 1 radian in a circular region whose radius is 2m is	A. 0.5m2 B. 2m2 C. 1m2 D. 4m2
13	Question Image	A. Scalar matrix B. Identity matrix C. Null matrix D. Symmetric matrix
14	Question Image	A. 0 B. -1 C. 1 D. not defined
15	Question Image	A. π B. π / 2 C. π / 3 D. π / 4
16	Fifteen girls compete in a race. The first three places can be taken by them in	A. 3! ways B. 12! ways

		C. 15 x 14 x 13 ways D. 42 ways
17	Question Image	A. 5 B. 15 C. 10 D. 20
18	If one root of the equation x^2- 3x + a = 0 is 2 then a = _____	A. 0 B. 1 C. 2 D. 3
19	The solution of the equation $\cos^2\theta$+ $\sin\theta$+ 1 = 0 lies in the interval	
20	Question Image	