Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	D. none of these
2	A line joining two distinct points on a parabola is called a _____ of the parabola.	A. Chord B. Tangent C. Lust rectum D. directrix
3	Out of 10, 000 families with 4 children each, the number of families all of whose children are daughters is	A. 375 B. 500 C. 625 D. 150
4	The set of rational number is represented by	A. W B. R C. Q' D. Q
5	(0,1) is in the solution of the inequality	A. 3x + 2y > 8 B. 2x - 3y < 4 C. 2x + 3y > 5 D. x -2y < -5
6	Question Image	A. 1 B. -1
7	sin $(\alpha+\beta)=$	A. sinαcosβ- cosαsinβ B. sinαcosβ- cosαsinβ C. sinαcosα- cosβsin<span style="font-

		family: "Times New Roman"; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color: rgb(255, 255, 224);">β D. sinαcosα+ cosβsinβ
8	Matrices A = [aij] 2 x 3 and B =[bij] 3 x 2 are suitable for	A. BA B. A² C. AB D. B²
9	sin2 π/6 + sin2 π/3 + tan2 π/4 =_____;	A. 1 B. 2 C. 3 D. 4
10	The domain of the principal tan function is	
11	Which of the following is not a quadrantal angle	A. 90° B. 100° C. 180° D. 270°
12	Question Image	
13	The 7th term of the A.P 7,11,15,is	A. 24 B. 31 C. 26 D. 23
14	The matrix A = [aij]mxn with m ≠n is always	A. Symmetric B. Hermition C. Skew-symmetric D. None
15	The set {{a,b}} is	A. Infinite set B. Singleton set C. Two points set D. None
16	(ABC)' =	A. CBA' B. CBA C. C'B'A D. C'B'A'
17	How many terms of the A.P 3,6,9,12,15.....must be taken to make the sum 108	A. 8 B. 6 C. 7 D. 36
18	The mid point of the line joining the points P(x_1, y_1) and Q(x_2, y_2) is	
19	An integer is chosen at random from the number ranging from 1 to 50. the probability that the integer chosen is a multiple of 2 or 3 or 10 is	A. 3 / 10 B. 5 / 10 C. 7 / 10 D. 9 / 10
20	The set R is .....w.r.t subtraction	A. Not a group B. A group C. No conclusion drawn D. Non commutative group