Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. c/a B. -c/a C. b/a D. -b/a
2	Question Image	A. 2, 3 B. 3, 3 C. 2, 6 D. 2, 4
3	$\{x \mid x \in R \land x \neq x\}$ is a	A. Infinite set B. Null set C. Finite set D. None of these
4	The fixed point from which all the points of a circle are equidistant is called the	A. chord of the circle B. centre of the circle C. diameter of the circle D. radius of the circle
5	Range of 3 cot x is _____	A. [-1, 1] B. [-3, 3] C. R D. None of these
6	Question Image	
7	Number of ways of writing the letters of WORD taken all at a time is	A. 24 B. 4 C. 12 D. 6
8	$\sin 5\theta + \sin 3\theta = $ _____ ;	A. $2\sin 4\theta \cos\theta$ B. $2\cos 4\theta \sin\theta$ C. $2\cos 4\theta \cos\theta$ D. $-2\sin 4\theta \sin\theta$
9	How many arrangements of the letters of the word MI SSI PPI, taken all together can be made?	
10	Question Image	A. 25 B. 16 C. 5 D. 0
11	In one hour, the minute hand of a clock turns through	
12	An equation of the form ax + by = k is homogeneous linear equation when	A. b = 0, a = 0 B. a = 0, b ≠ 0 C. b = -0, a ≠ 0 D. a ≠ 0, b ≠ 0, k = 0
13	Question Image	
14	A line joining two distinct points on a parabola is called a _____ of the parabola.	A. Chord B. Tangent C. Lust rectum D. directrix
15	Question Image	A. 9 B. -9 C. 0 D. 1
16	Question Image	A. Addition B. Subtraction C. Multiplication D. None of these
17	$\cos(\alpha-\beta) = \cos\alpha\cos\beta + \sin\alpha\sin\beta$ is true for all	A. <i style="text-align: center;">α</i>><i style="text-align: center;">β</i>> 0 B. <i style="text-align: center;">α</i>><i style="text-align:

	$\cos(\alpha \vee \beta)$ ... ... sin... ... ... true for all	center;">β</i> C. <i style="text-align: center;">β</i>><i style="text-align: center;">α</i> D. None of these
18	If A is any matrix then its additive inverse is	A. A B. A⁻¹ C. A^t D. -A
19	Which element is the additive inverse of (a, b) in Complex numbers?	A. (a, 0) B. (0, b) C. (a, b) D. (-a, -b)
20	Question Image	