Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	3x + 4 ≥ 0 is	A. equation B. inequality C. identity D. none of these
2	Question Image	
3	Question Image	A. The law of of sines B. The law of tangents C. The law of consines D. None of these
4	Multiplicative inverse of "1" is	A. +- 1 B. 0 C. 1 D. None of these
5	In one hour the minute hand of a clock turns through	
6	(fog)′(x) =f′(g(x))g′(x) is derivative by	A. Chain rule B. Reciprocal rule C. Power rule D. Product rule
7	Question Image	A. 2x cos x2 B. 2sinxcosx C. - sin x2 D. 2x sin x2
8	If a = {2m/2m < 9 ,m€ p} , the (n A) =	A. {2,3,4,5,6,7,8} B. {2,4,6,8.....16} C. { 4, 6} D. {2,3,5,7}
9	If A is a non singular matrix then A^{-1}= _____	
10	Which element is the additive inverse of (a,b) in Complex numbers	A. (a,0) B. (0,b) C. (a,b) D. (-a,-b)
11	What is the conjugate of -6 -i?	A. -6 +i B. 6+i C. -6 -i D. 6 -i
12	If A is skew Hermitian Matrix then which of the following is not skew Hermitian matrix	A. A2 B. A5 C. A3 D. A7
13	If the sum of even coefficients in the expansion of (1+x)n is 128 then	A. n=7 B. n=9 C. n=8 D. None
14	Question Image	
15	Question Image	A. 5 / 12 B. 3 / 8 C. 5 / 8 D. 7 / 4
16	Two positive integers whose sum is 30 and their product will be maximum are	A. 12,18 B. 10,20 C. 15,15 D. 14,16
		A. cosθ B. -cos<span style="color: rgb(34,

17	sin(180° -θ)=	34, 34); font-family: "Times New Roman"; font-size: 24px; text-align: center; background-color: rgb(255, 255, 248);">θ C. Tanθ D. Sinθ
18	If a > 0,b > 0, c > 0 then the roots of the equation ax2+ bx + c =0 are	A. Real and negative B. Non-real with negative real parts C. Real and positive D. Nothing can be said
19	If you are looking a bird in the tree from the ground then the angle formed is called angle of_____;	A. Elevation B. Depression C. Right angle D. None of these
20	Question Image	