Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The set of whole numbers is subset of	A. The set on integers B. The set of natural numbers C. {1, 3, 5, 7, ...} D. The set of prime numbers
2	Question Image	
3	The unit vector along y-axis is	D. none of these
4	The general term of a sequence is denoted by	A. a_1 B. a_n C. n D. s_n
5	The line through the intersection of the lines x+ 2y+ 3= 0 : 3x +4y +7 =0 and making equal intercepts on the axes is	A. x+ y+ 1= 0 B. x+ y- 2= 0 C. x+ y+ 2= 0 D. 2x +y +2 =0
6	Which of the following does not represent absolute value of a vector	A. magnitude B. length C. norm D. number
7	If z1 = 2 + 6i and z2 = 3 + 7i then which expression defines the product of z1 and z2	A. 36 +(-32)i B. -36+32i C. 6+(-11)i D. 0, +(-12)i
8	Question Image	A. π/ 2 B. π/ 3 C. π/ 4 D. π
9	$(0.90)^{1/2}$ is equal to	A. 0.99 B. 0.90 C. 0.80 D. 0.88
10	Question Image	A. 1/x B. -x C. 2x D. 0.5 x
11	Question Image	
12	Matrix multiplication is	A. Commutative B. Not commutative C. Not associative D. Not distributive
13	Question Image	A. 0 B. 1 D. -1

14	sin (sin^{-1}(1/2))=	A. 0 B. 2 C. ∞ D. 1/2
15	Question Image	A. a^x B. $a^x \ln a$
16	Question Image	A. - cos x B. sin x C. - sin x D. sec x
17	Question Image	A. -1 B. 1 C. 2 D. -2
18	If a_1= 3, r = 2, then the nth term of the G.P. is	A. 2.3^{n-1} B. 3.2^n C. 3.2^{n+1} D. 3.2^{n-1}
19	Question Image	D. none of these
20	Question Image	