Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	if $a_9 =19, a9=31$ are the 6th and 9th term of an A.P. and d=4 is the common difference, then 18th term of the sequence is	A. 65 B. 67 C. 71 D. 75
2	Question Image	
3	Multiplicative inverse of "1" is	A. 0 B. -1 C. 1 D. {0, 1}
4	Question Image	
5	Question Image	
6	Question Image	
7	Question Image	
8	Question Image	
9	The set of natural no. is closed under	A. multiplication B. subtraction C. difference D. division
10	$w^{15}=$ _____	A. 0 B. 1 C. w D. w²
11	Question Image	A. Imaginary B. Rational C. Irrational D. Real numbers
12	The number of solution of the equation tan x + sec x = 2 cos x lying in the interval $[0, 2\pi]$ is	A. 0 B. 1 C. 2 D. 3
13	If A is a non singular matrix then $A^{-1}=$ _____	
14	1 degree = _____	A. 0.00175 rad B. 0.175 rad C. 0.0175 rad D. 1.75 rad
15	Associative law of multiplication	A. ab = ba B. a(bc) = (ab) c C. a(b+c) = ab + ac D. (a + b)c = ac + bc
16	Question Image	
17	Sin 50°-sin 70°+sin 10° is equal to	A. 1 B. 0 C. 1/2 D. 2
18	The magnitude of vector a 2i-7j is	A. √23 B. √43 C. 3 D. √53
19	A circle which touches one side of a triangle externally and the other two sides produced is called _____	A. In-circle B. Circum cirle C. Escribed circle D. None of these
20	Gooch crucible is made of :	A. Brass. B. Porcelain. C. B.

C. Bronze.
D. Gold.