Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	cos 2α=	A. 1 - 2 sin²α B. sin ²α+ cos²β C. sin²α- cos²β D. None of these
2	It is not possible to find the exact value of	A. π B. √9 C. ∛27 D. √1
3	Question Image	A. 1 D. -1
4	The middle term(s) of (a+x)11 is	A. 6th term B. 6thor 7th C. 7th term D. 6thand7th
5	cos2a=_____;	A. cos2 a-sin2 a B. 2cos2 a-1 C. 1-2 sin2 a D. All of these
6	Question Image	A. Closure law of addition B. Closure law of multiplication C. Commutative law of addition D. Commutative law of multiplication
7	If A=B, then	A. A⊂B and B⊂A B. A⊆B and B⊈A C. A⊆B and B⊆A D. None of these
8	If A is a non-singular matrix then adj A is	A. Non-singular B. Symmetric C. Singular D. Non defined
9	Question Image	
10	Question Image	A. Two real roots B. Two positive roots C. Two negative roots D. One positive and one negative root
11	Question Image	A. Principle of equality of Fractions B. Rule for product of fraction C. Golden rule of fraction D. Rule of quotient of Fraction
12	Question Image	
13	The three consecutive numbers a,√ab,b are in	A. G.P B. H.P C. G.M D. None of these
		A. 0

14	If f(x) = x^2-x then f(0) is	B. 1 C. 2 D. 3
15	Question Image	
16	If one root of the equation x^2- 3x + a = 0 is 2 then a = _____	A. 0 B. 1 C. 2 D. 3
17	Matrices A = [aij] 2 x 3 and B =[bij] 3 x 2 are suitable for	A. BA B. A² C. AB D. B²
18	∀x,y,z ∈ R and z 0,then	A. x > y ⇒ xz > yz B. x<y ⇒ xz < yz C. x < y ⇒ xz > yz D. None of these
19	Three consecutive terms of a progression are 30, 24, 20. The next terms of the progression is	
20	Question Image	A. -a -b -c B. 1 C. 0 D. -1