Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The principal value of $\sin^{-1}(-1/2)$	A. $\pi/3$ B. $\pi/4$ C. $\pi/6$ D. $-\pi/6$
2	Name the property used in $4 + 9 = 9 + 4$	A. Associative property of addition B. Commutative property of addition C. Distributive property D. Additive identity
3	The fifth term of the sequence $a_n = 2n + 3$ is _____	A. 13 B. -13 C. 8 D. 3
4	Question Image	A. Principle of equality of fractions B. Rule for product of fractions C. Golden rule of fractions D. Rule for quotient of fractions
5	Question Image	
6	If (0, 0) and (0, -1) are end points of a diameter, then the equation of the circle is	
7	$\sec h\, x = $ _____	
8	Question Image	
9	$\int x/\sin^2 x\, dx$ is equal to:	A. $x \cot x + \ln|\sin x|$ B. $-x \cot x - \ln|\sin x|$ C. $x \cot x - \ln|\sin x|$ D. $x \tan x - \ln|\sec x|$
10	The coefficient of the second term of $(a+b)^4$ is	A. 1 B. 9 C. 3 D. 5
11	The polar form of complex number $x \neq l\, y = $	A. $r\ \cos\theta + r\ \sin\theta$ B. $r \cos\theta + is \sin\theta$ C. $\cos\theta + r \sin\theta$ D. $i \cos\theta + i \sin\theta$
12	If n is any positive integer then $n! > 2^{n-1}$ for	
13	Question Image	A. -1 B. 0 C. 1 D. None of these
14	Question Image	
15	A circle passing through the vertices of any triangle is called	A. Circumcirle B. Incircle C. Escribed circle D. Unit circle
16	Question Image	
17	The exact degree value of the function $\sin{-1}(-\sqrt{3}/2)$ is	A. 70° B. 50° C. 90° D. 60°
18	Question Image	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]
19	The term involving x^4 in the expansion $(3-2x)$ is	A. $217x^4$ B. $15120x^4$ C. $313x^4$ D. $-25x^4$

20	The additive inverse of 1 is	A. 1
		B. -1
		C. 0
		D. Does not exist