

## Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Sin(a + b) + Sin (a - b) =	A. Sin a Cos b B. Sin a Sin b C. Sin a + Cos b D. Sin a - 2 Cos b
3	The common difference of the sequence 7,4,1, is	A. 1 B3 C. 5 D. 0
4	Question Image	
5	The radius of the circle $(x-1)^2$ + $(y+3)^2$ = 64 is	A. 8 C. 4 D. 64
6	The set of the first elements of the ordered pairs forming a relation is called its	A. Function on B B. Range C. Domain D. A into B
7	If A and B are matrices such that AB=BA=I then	A. <div>A and B are multiplicative inverse of each other</div> B. <div>A and B are additive inverses of each other</div> C A and B are singular matrices D. A and B are equal
8	In 30,60,90 triangle, if the smallest side is 6 then the side opposite to the angle of 60° is	A. 12 B. 3 D. 6
9	The value of x, and y, when $(x + iy)^2 = 5 + 4i$	A. X = 2, y = -1 B. X = -2, y = 1 C. X = 2, y = -1 D. X = 2, y = 2
10	The set {{a,b}} is	A. Infinite set B. Singleton set C. Two points set D. None
11	3/2 is	A. An irrational number B. Whole number C. A positive integer D. A rational number
12	Question Image	
13	Question Image	B3/4 C. 1/16 D. 1/4
14	If in isosceles right angled triangle, one side is a then hypotenuse is	C. a D. cannot be determined by given information
15	A line segment whose end points lie on a circle is called	A. The secant of the circle B. The arc of the circle C. The chord of the circle D. The circumference of the circle
16	The associative angle of 280°is	A. 100 <b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">°</b> B. 10 <b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">°</b> C. 80 <b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">°</b> D80 <b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">°</b> D80 <b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">°</b>

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If n is a positive integer, then 3+6+9++3n =	
Question Image	
The center of a circle of radius 10 is on the origin. Which of the following points lies with in the circle	A. (10, 0) B. (8, 8) C. (8, 4) D. (0, 10)
Question Image	D. None of these