

Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	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
2	Question Image	
3	The circle $(x-2)^2$ + $(y+3)^2$ = 4 is not concentric with the circle	A. (x-2) ² + (y+3)< ² = 9 B. (x+2) ^{= (y-3)} + (y-3)2= 4 C. (x-2) ² + (y+3)2= 8 D. (x-2) ² + (y+3)2= 5
4	Question Image	
5	Question Image	D. None of these
6	Which of the following is the subset of all sets?	B. {1, 2,3} D. {0}
7	In the expansion of $(a + b)^n$ in every term the sum of the exponents of a and b is	A. n B. n + 1 C. 2n - 1 D. 2n + 1
8	The associative angle of 280°is	A. 100 b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">° B. 10 b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">° C. 80 b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">° D80 b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">° b80 c) style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">° b80 c) style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">° c) style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">°
9	Question Image	
10	If $0 < n < 1$, n is a rational number, the number of terms in the expansion of $(1 + X)^{n}$ are	A. n + 1 B. 2n C. Infinitely many D. 2n ²
11	A point of a solution region where two of its boundary lines intersect, is called	A. Boundary B. Inequality C. Half Plane D. Vertex
12	Question Image	D. None
13	If the angle of a triangle are in the ratio 2:3:7, the triangle is	A. Obtuse B. Acute C. Right angle D. Isosceles
14	A relation in which the equality is true only for some values of the unknown variable is called	A. An identity B. An equation C. A polynomial D. Inverse function
15	The perpendicular bisector of any chord of a circle	A. Passes through the centre of the cirle B. Does not pass through the centre of the circle C. May or may not pass through the centre of the cirlce D. None of these

16	Question Image	
17	The length of rectangle is twice as much as its breadth. If the perimeter is 120 cm, the length of the rectangle is	A. 10 cm B. 20 cm C. 30 cm D. 40 cm
18	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
19	Question Image	
20	Which of the following integrals can be evaluated	