

Mathematics General Science Test Medium Mode

Cr.	Ougations	Anguara Chaica
Sr	Questions	Answers Choice
1	Question Image	B. 1 D1
2	The largest possible domain of the function: $y=\sqrt{(x\)}$ is:	A. (0 ,∞) B. 12 C. (3 , 12) D. (3 ,∞)
3	Question Image	A. 3/8 B. 7/8 C. 1/8 D. None
4	Question Image	A. z is purely imaginary B. a is any complex number C. z is real D. None of these
5	Which of the following is a vector.	A. energy B. force C. work D. power
6	The value of the expression 3 $\cos\theta$ + 4 $\sin\theta\theta$ lie between	A7 and 7 B25 and 25 C1 and 1 D5 and 5
7	Roots of the equation x^2 - $7x + 10 = 0$ are	A. {2, 5} B. {-2, 5} C. {2,5} D. {-2,-5}
8	Which of the following is a quadrantal angle	A. 30° B. 45° C. 60° D. 90°
9	The unit vector along z-axis is	D. none of these
10	The number z so that the triangle with vertices A(1,-1,0),B(-2,2,1) and C(0,2,z) is a right triangle with right angle at vertex C	A. 1,2 B1,-2 C. 2,-1 D2,1
11	Question Image	
12	The behavior of trigonometric function is called	A. Continuity B. Discontinuity C. Periodicity D. Smoothness
13	f(x) = 1 is	A. identity function B. constant function C. linear function D. quadratic function
14	Question Image	
15	Decimal part of irrational number is	A. Terminating B. Repeating only C. Neither repeating nor terminating D. Repeating and terminating
16	The value of i ⁴ⁿ⁺¹	A. 1 B1 C. i D. i ²
17	The area of the rhombus whose vertices are A(0,0),B(2,1),C(3,3),D(1,2) is	A. 36 square units B. 3 square units C. 6 square units D. 18 square units
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18	Question Image	
19	Question Image	
20	The roots of (b-c)x2+(c-a) x+a-b=0 are equal if	A. 2b = a+c B. 2a = b+c C. 2c = a+b D. a + b + c =0