

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	What is the conjugate of -6 -i?	A6 +i B. 6+i C6 -i D. 6 -i
2	Question Image	
3	Question Image	A. 0 B. 1 C. 2
4	Question Image	A. Reciprocal equation B. Exponential equation C. Radical equation D. None of these
5	If $f(\sqrt{x})=\sin x$, then $f'(x)=\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	A. 2xcosx2 B. cosx2 C. cos√x D. None of these
6	If B⊆ A, then complement of B in A is =	A. A-B B. A∩B C. B-A D. A∪B
7	Which of the following statement is true?	A. A set is a collection of non-empty object B. A set is a collection of only numbers C. a set is any collection of things D. a set is well-defined collection of objects
8	Name the property used in 1000 x 1 = 1000	A. additive inverse B. multiplicative inverse C. additive identity D. multiplicative identity
9	The length of perpendicular from $(3,1)$ to $4x + 3y + 20 = 0$ is	A. 6 B. 7 C. 3 D. 8
10	The general solution of the differential equation $x dy / dx = 1 + y$ is:	A. 2 B. 1 C. 3 D. None
11	Question Image	A. The law of sines B. The law of tangents C. The pythagorus theorem D. None of these
12	The line $2x + \sqrt{6}y = 2$ is a tangent to the curve $x^2 - 2y^2 = 4$ The point of contact is	A. $(\sqrt{6},1)$ B. $(2,3)$ C. $(7,-2\sqrt{6})$ D. $(4,-\sqrt{6})$
13	Question Image	
14	Question Image	A. (g,f) B. (-g,f) C. (g,-f) D. (-g,-f)
15	The intercepts of the plane $2x - 3y + 4z = 12$ on the co-ordinate axes are given by	A. 2, -3, 4 B. 6, -4, -3 C. 6, -4, 3 D. 3, -2, 1.5
16	Question Image	
		Aab

17	For two vector a and b, a+b =	B. b+a C. b-a D. None
18	Question Image	A. 3 B. r 3 C. r D. none
19	Question Image	A. 0 B1-w ²
20	Question Image	
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