

ECAT Pre Engineering Entry Test

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	Question Image	
4	Question Image	
5	Question Image	
6	Question Image	
7	Question Image	
8	If a, b, c are the measures of the sides of a triangle then	
9	The law of sines is	
10	The law of consines is	
11	The law of tangents is _____	
12	Question Image	A. The law of sines B. The law of tangents C. The pythagorus theorem D. None of these
13	Question Image	A. The law of sines B. The law of consines C. The law of tangents D. None of these
14	Question Image	A. The law of sines B. The law of consines C. The law of tangents D. None of these
15	Question Image	A. The law of of sines B. The law of tangents C. The law of consines D. None of these
16	Question Image	A. The law of consines B. The law of sines C. The law of tangents D. None of these
17	A triangle which is not right is called an _____ triangle	A. Acute B. Obtuse C. Oblique D. None of these
18	A function $f(x)$ is said to be the periodic function if for all x in the domain of f , there exists a smallest positive number p such the $f(x + p) =$ _____	A. $f(p)$ B. $f(x)$ C. $f(o)$ D. None of these
19	Range of $3 \cot x$ is _____	A. $[-1, 1]$ B. $[-3, 3]$ C. R D. None of these
20	Range of $3 \sin x$ is _____	A. $[-3, 3]$ B. $[-1, 1]$ C. R D. None of these
21	Range of $2 \tan x$ is _____	A. $[-2, 2]$ B. $-1 \leq x \leq 1$ C. R D. None of these

22	Domain of $2 \cos x$ is _____	A. $[-2, 2]$ B. \mathbb{R} C. Negative real numbers D. None of these
23	Domain of $3 \sin x$ is _____	A. $[-3, 3]$ B. \mathbb{R} C. Positive real numbers D. None of these
24	Question Image	
25	Period of $2 \cos x$ is _____	
26	Period of $3 \sin x$ is _____	
27	Question Image	
28	Question Image	
29	Question Image	
30	Period of $\tan 4x$ is _____	