## ECAT Mathematics Online 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 | Question Image | |
| 9 | If a, b, c are the measures of the sides of a triangle then | |
| 10 | The law of sines is | |
| 11 | The law of consines is | |
| 12 | The law of tangents is _____ | |
| 13 | Question Image | A. The law of sines<br>B. The law of tangents<br>C. The pythagorus theorem<br>D. None of these |
| 14 | Question Image | A. The law of sines<br>B. The law of consines<br>C. The law of tangents<br>D. None of these |
| 15 | Question Image | A. The law of sines<br>B. The law of consines<br>C. The law of tangents<br>D. None of these |
| 16 | Question Image | A. The law of of sines<br>B. The law of tangents<br>C. The law of consines<br>D. None of these |
| 17 | Question Image | A. The law of consines<br>B. The law of sines<br>C. The law of tangents<br>D. None of these |
| 18 | A triangle which is not right is called an _____ triangle | A. Acute<br>B. Obtuse<br>C. Oblique<br>D. None of these |
| 19 | 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)<br>B. f(x)<br>C. f(o)<br>D. None of these |
| 20 | Range of 3 cot x is _____ | A. [-1, 1]<br>B. [-3, 3]<br>C. R<br>D. None of these |
| 21 | Range of 3 sin x is _____ | A. [ -3, 3]<br>B. [-1, 1]<br>C. R<br>D. None of these |
| 22 | Range of 2 tan x is _____ | A. [-2, 2]<br>B. -1 &lt; x &lt; 1<br>C. R<br>D. None of these |

| 23 | Domain of 2 cos x is _____ | A. [-2, 2]<br>B. R<br>C. Negative real numbers<br>D. None of these |
|----|------------------------------|------------------------------|
| 24 | Domain of 3 sin x is _____ | A. [-3, 3]<br>B. R<br>C. Positive real numbers<br>D. None of these |
| 25 | Question Image | |
| 26 | Period of 2 cos x is _____ | |
| 27 | Period of 3 sin x is _____ | |
| 28 | Question Image | |
| 29 | Question Image | |
| 30 | Question Image | |