Mathematics FA Part 1 Online Test

Sr	Questions	Answers Choice
1	When two sides and included angle is given, then area of triangle is given by:	D. all of these
2	In triangle the length of the sides are 7, 4√3 and √13. Then the smallest angle is:	A. 15° B. 30° C. 60° D. 45°
3	The lengths of the sides of a triangle are proportional to the sines of the opposite angles to the sides. This is known as:	A. The law of sines B. The law of cosines C. The law of tangents D. The fundamental law
4	If 2s = a + b +c, then in any triangle ABC:	D. none of these
5	In 2s = a + b + , then in any triangle ABC:	D. all of above
6	If 2s = a + b + c, then in any triangle ABC:	D. all of these
7	Question Image	A. right angled B. equilateral C. isosceles D. obtuse angled
8	In any triangle ABC, law of tangents is:	D. all of these
9	In a triangle ABC b = √3, c = 1, α = 30° then a = :	A. 2 B. 1 C. 3 D. -1
10	In a triangle ABC if $a^2 - b^2 + c^2$ = ac then < ß =	
11	In any triangle ABC, law of cosines is:	
12	In any triangle ABC, law of sines is:	
13	In a triangle ABC, (s - a)(s - b) = s(s - c), then the angle Γ =	
14	In triangle ABC, If Γ = 90° then:	D. b = c + a
15	If triangle ABC, If ß = 90° then:	D. none of these
16	In triangle ABC, if α = 90° then:	D. none of these
17	If the elevation of the sun is 30°, the length of the shadow cast by a tower of 150m height is:	D. none
18	In a right isoceles triangle, one acute angle is:	A. 30° B. 45° C. 60° D. 75°
19	If α, ß, Γ are the angles of a oblique triangle, then:	A. α = 90° B. ß = 90° C. Γ = 90° D. none of these
20	Question Image	A. 3:5:2 C. 3:2:1 D. 1:2:3