11th Class FSC Mathematics Chapter 12 Test Online

Sr	Questions	Answers Choice
1	In any triangle ABC, law of sines is:	
2	$r_1 =$	
3	In any triangle ABC, law of cosines is:	
4	A circle which touches one side of a triangle externally and the other two produces sides internally is known as:	
5	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
6	With usual notations for triangle R equals:	
7	In a triangle ABC b = √3, c = 1, α = 30° then a = :	A. 2 B. 1 C. 3 D. -1
8	If 2s = a + b + c, then in any triangle ABC:	D. all of these
9	A circle drawn inside a triangle and touching its sides is known as:	
10	In a right isoceles triangle, one acute angle is:	A. 30° B. 45° C. 60° D. 75°
11	If the elevation of the sun is 30°, the length of the shadow cast by a tower of 150m height is:	D. none
12	Question Image	
13	Question Image	A. 3:5:2 C. 3:2:1 D. 1:2:3
14	In a triangle ABC if $a^2 - b^2 + c^2 = ac$ then < ß =	
15	The in-radius r of a triangle is given by:	
16	Question Image	A. right angled B. equilateral C. isosceles D. obtuse angled
17	If triangle ABC, If ß = 90° then:	D. none of these
18	$r_3 =$	
19	A circle passing though the vertices of a triangle is known as:	
20	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°
21	In 2s = a + b + , then in any triangle ABC:	D. all of above
22	If 2s = a + b +c, then in any triangle ABC:	D. none of these
23	r r_1 r_2 r_3 =	D. abc
24	The circum-radius R of a triangle is given by:	
25	In any triangle ABC, law of tangents is:	D. all of these
26	$r_2 =$	
27	If 2s = a + b + c, where a, b, c are the sides of a triangle ABC, then area of triangle ABC is given by:	

28	When two sides and included angle is given, then area of triangle is given by:	D. all of these
29	In a triangle ABC, $(s - a)(s - b) = s(s - c)$, then the angle $\Gamma =$	
30	In triangle ABC, if $\alpha = 90°$ then:	D. none of these
31	In triangle ABC, If $\Gamma = 90°$ then:	D. $b = c + a$
32	Question Image	
33	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
34	A triangle which is not right angle triangle called _____ triangle:	A. acute B. obtuse C. right D. oblique
35	Question Image	
36	Question Image	A. r_1 B. r_2 C. r_3 D. r