	BCM SCHOOL BASANT AVENUE FUGRI ROAD LUDHIANA ASSIGNMENT OF CLASS XISC	
1	The value of tan 1° tan 2° tan 3° … tan 89° is (a) 0 (b) 1 (c) ½ (d) Not defined	1
2	The value of $\dfrac{1 - \tan^2 15°}{1 + \tan^2 15°}$ is (a) 1 (b) $\sqrt{3}$ (c) $\dfrac{\sqrt{3}}{2}$ (d) 2	1
3	The value of tan 75° − cot 75° is equal to OR Find the angle between the minute hand and hour hand of a clock when the time is 7:20.	2
4	The value of sin 50° − sin 70° + sin 10° is equal to	2
5	Prove that the value of sin 20° sin 40° sin 60° sin 80° = $\dfrac{3}{16}$	2
6	Prove that $(1 + \cos\frac{\pi}{8})(1 + \cos\frac{3\pi}{8})(1 + \cos\frac{5\pi}{8})(1 + \cos\frac{7\pi}{8}) = \frac{1}{8}$	3
7	Sketch the graph of $y = \sin x \ and \ \sin 2x$ on the same scale	4