Mathematics - FSC Part 1 Mathematics Short Questions Chapter 9 Preparation

Q1. What is a radian ?

Ans 1: An angle subtended at the center of the circle by an arc of length equal to the radius of the circle is called radian.

Q2.

Ans 1:

Q3. What are fundamental identities in trigonometry ?

Ans 1: For any real number Θ, there are three fundamental identities:
i. $\sin^2\Theta + \cos^2\Theta = 1$
ii. $1 + \tan^2\Theta = \sec^2\Theta$
iii. $1 + \cot^2\Theta = \csc^2\Theta$

Q4. What is angle in standard position ?

Ans 1: An angle is said to be in standard position if its vertex lies at the origin of a rectangular coordinate system and its initial side along the positive x-axis.

Q5.

Ans 1:

Q6. What is sexagesimal system ?

Ans 1: A system in which angle is measured in (degree, minute and second) is called sexagesimal system of measurement of angles. It is also called English system.

Q7.

Ans 1:

Q8. What is a degree ?

Ans 1: If a unit circle is divided into 360 equal parts then the angle subtended by such one part at the center of the circle is called

one degree. It is denoted by 1°, 1rev = 360°

Q9.

Ans 1:

Q10.

Ans 1: