Mathematics - FSC Part 1 Mathematics Short Questions Chapter 10 Preparation

Q1.

Ans 1:

Q2. State fundamental law of trigonometry.

Ans 1: Let α and ß be any two angles (or real numbers). We shall establish the formula
cos (α-ß) = cos α cos ß + sin α sin ß
Which is called the Fundamental Law of trigonometry.
Note: It is true for all values of α and ß.

Q3.

Ans 1:

Q4.

Ans 1:

Q5.

Ans 1:

Q6.

Ans 1:

Q7. Without using tables, write-down the value of sin 540°.

Ans 1: sin (360° + 180°) = sin 180° = 0

Q8. Without using the tables, write down the value of tan (-135°).

Ans 1: tan (-135°) = - tan 135°
= - tan (180° - 45°)
By formula
tan (180° - Θ) = - tanΘ

It becomes
= - [-tan45°]
= - (-1) = + 1

Q9.

Ans 1:

Q10.

Ans 1:
