

Quadrant IV – Assessment (Module –wise)

Programme: F.Y.B.Sc./S.Y.B.Sc.

Subject: Mathematics

Paper Code: MTG101/MTS101

Paper Title: Probability and Statistics/ Statistical Methods

Unit: Unit 8 – Parametric Tests

Module Name: Test of significance of the difference between sample mean and population mean

Name of the Presenter: Viona Correia

MCQ

Completion type (fill-in-the-blanks)

Short Answer – I (short notes - say 20 to 50 words)

Short Answer – II (extended – say 50 to 100 words)

Matching type

Numerical/Problems to Solve

1. Ten cartons are taken at random from an automatic filling machine. The mean net weight of the 10 cartons is 11.8 Kg and standard deviation is 0.15 Kg. Does the sample mean differ significantly from the intended weight of 12 Kg?

$$t_{0.05} \text{ for 9 d.f.} = 2.26.$$

Self-reflection

Create something new (higher order cognition)