



PART-D

Answer any **Two** questions. Each question carries **10** marks. (2×10=20)

26. $A = \begin{bmatrix} 1 & 3 & 3 \\ 1 & 4 & 3 \\ 1 & 3 & 4 \end{bmatrix}$ Check whether the inverse of A exists. If exists, find A^{-1}

27. Prices of shares of a company on different days in a month were found to be 66,65,69,70,69,71,70,63,64,68. Discuss whether mean price of the shares in the month is 65.
28. Define Poisson distribution. Explain the characteristic properties and applications of Poisson distribution.
29. Discuss the important Steps involved in hypothesis testing.



Reg. No. :

Name :

I Semester M.A Degree (CBSS-Reg./Suppl./Imp.)

Examination, October - 2019

(2014 Admission Onwards)

ECONOMICS/APPLIED ECONOMICS/ DEVELOPMENT ECONOMICS
ECO1C03: QUANTITATIVE TECHNIQUES FOR ECONOMIC ANALYSIS

Time : 3 Hours

Max. Marks : 60

PART - A

Answer all the **Eight** questions. Each question carries $\frac{1}{2}$ mark. (8× $\frac{1}{2}$ =4)

- If a square matrix $A = A^2$, then A is said to be.

a) Symmetric	b) Skew Symmetric
c) Idempotent	d) Nilpotent
- If A is a singular matrix, then adj A is.

a) Non Singular	b) Singular
c) Symmetric	d) Not defined
- How many 4 letter words (with or without meaning) can be formed out of the letters of the word WONDER if repetition of letters is not allowed.

a) 40	b) 120
c) 90	d) 360
- Which of the following is a discrete probability distribution.

a) Binomial distribution	b) Normal distribution
c) Lognormal distribution	d) None of the above
- Probability of committing type I error is known as.

a) Power of the test	b) Degrees of freedom
c) Level of significance	d) None of the above

