

Gurudas College

Internal Assessment 2021

Semester-V, Paper-DSE-A1

Applied Econometrics

Economics (Honours)

Time: 30 mins.

Full Marks: 10

Group A

Answer any **Four** Questions:

1 X 4 =4

- 1) In estimating the PRF from SRF, we try to
 - a) Minimize the sum of residuals
 - b) Minimize the square of residuals
 - c) Minimize the Parameters
 - d) Minimize the estimated conditional mean of Y

- 2) One of these is not a part of classical assumptions
 - a) Values taken by regressand is fixed in repeated samples
 - b) Regression model is linear in parameter
 - c) Error term has mean zero
 - d) Error term has a constant variance

- 3) By rejecting the null hypothesis, we mean that our finding is
 - a) Statistically significant
 - b) Statistically insignificant
 - c) Nothing to do with the significance
 - d) P value is not useful

- 4) Dummy Variables can
 - a) Only take values 0 and 1
 - b) Any positive value
 - c) Any integer value

- d) Negative value

- 5) Stata is
 - a) Statistical software to manage big data set
 - b) A book
 - c) Name of an Economist
 - d) None of the above

Group B

Answer any **Two** Questions

2 X 3 =6

- 6) What is the difference between Cross Section Data and Time Series Data?

- 7) What are the steps we follow to formulate an Econometric Model?

- 8) What is Population Regression Function?