PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2019
(Sixth Semester)

Branch – **STATISTICS**

ECONOMETRICS

Time : Three Hours   Maximum : 75 Marks

SECTION-A (20 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (10 x 2 = 20)

1   What is the structure of Economic Model?
2   Define Linear Model.
3   What do you mean by static multiplier?
4   Give any two economic groth models.
5   State any two assumptions of Input-Output model.
6   What is closed I/O model?
7   List any two limitations of econometrics.
8   Define Economic Forecasting.
9   Define Multicollinearity.
10   What do you understand by homoscedasticity?

SECTION - B (25 Marks)
Answer **ALL** Questions
ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

11 a   Give a brief note on the uses of Economic theory.
OR
    b   Distinguish between exogenous and endogenous variables in economic theory.

12 a   Describe briefly about accelerator principle.
OR
    b   Write a note on cobweb model.

13 a   Give a brief note on Input-Output analysis.
OR
    b   Explain open Input/Output model.

14 a   Explain the scope of Econometrics.
OR
    b   State the limitations of econometrics model.

15 a   Describe the problem of Auto correlation.
OR
    b   Show that least square estimators will not posses minimum variance in the presence of heteroscedaticity.

SECTION - C (30 Marks)
Answer any **THREE** Questions
ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

16   Explain various economic models.

17   Explain Hawod and Domar model of Economic Growth.

18   Explain in detail about Leontif's Input/Output analysis.

19   Discuss two variables linear model along with testing methods in econometrics.

20   Explain the tests for detecting auto correlation.