

Exam Date & Time: 01-Oct-2020 (10:00 AM - 01:45 PM)



PSG COLLEGE OF ARTS AND SCIENCE

Note: Writing 3hrs: Checking & Inserting Image : 30mins + Grace Time : 15mins

BSc DEGREE EXAMINATION MAY 2020
(Sixth Semester)

Branch - STATISTICS
ECONOMETRICS [14STU24]

Marks: 75

Duration: 225 mins.

SECTION A

Answer all the questions.

- 1) What are the different types of economic model? (2)
- 2) Mention the uses of economic model. (2)
- 3) Define Consumption. (2)
- 4) Define multiplier. (2)
- 5) Define the input and output analysis. (2)
- 6) Mention any two assumption of input and output analysis. (2)
- 7) Mention the types of forecasting. (2)
- 8) Define exogeneity of independent variable. (2)
- 9) Define auto correlation. (2)
- 10) Define multicollinearity. (2)

SECTION B

Answer all the questions.

- 11) Explain the variables in economic model. (5)
 - a)
- [OR] Explain the different types economic models. (5)
 - b)
- 12) Explain the consumption function. (5)

- a)
[OR] Discuss the different types of multiplier. (5)
b)
- 13) Write the assumptions of input and output analysis. (5)
- a)
[OR] Explain Technological coefficient. (5)
b)
- 14) Explain the types of forecasting. (5)
- a)
[OR] Describe the methodology of econometrics. (5)
b)
- 15) Explain the nature of multicollinearity. (5)
- a)
[OR] Explain the practical consequences of multicollinearity. (5)
b)

SECTION C

Answer 3 out of 5 questions.

- 16) Distinguish between
(i) structure model
(ii) Stochastic and non stochastic models. (10)
- 17) Bring out the similarity between Harrod's and Domar's models. (10)
- 18) Discuss the importance of input output analysis. (10)
- 19) Explain
(i) Regression model
(ii) Two variable linear regression model. (10)
- 20) Explain auto correlation and its types. (10)

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