Ph.D. Course Work (24 credits, 44 periods)

Paper I (100 marks, 12 credits)

- Research methodology + Research Ethics (4 periods, 2 credits, 20 marks)
- Quantitative Analysis (8 periods, 4 credits, 30 marks)
- Computer techniques (8 periods+2 periods(practice), 4 credits, 30 marks)
- Review of literature (2 credits, 20 marks)

Paper II (100 marks, 12 credits)

Module I (12 periods, 6 credits)

Module II (12 periods, 6 credits)

Course Work 2016

Phase 1 - Time-Table **Venue: RM.29B, R.K. HALL**

Date/Day	Time	Subject	Professor
5.12.16/MON.	2P.M. – 4 P.M.	RESEARCH METHODOLOGY	S.K.BASU+S.ROY
7.12.16/WED.	11A.M.-1 P.M.	QUANTITATIVE ANALYSIS	A.CHANDRA
10.12.16/SAT.	2P.M. – 4 P.M.	RESEARCH METHODOLOGY	S.K.BASU+S.ROY
14.12.16/WED.	11A.M.-1 P.M.	QUANTITATIVE ANALYSIS	A.CHANDRA
16.12.16/FRI.	11A.M.-1 P.M	QUANTITATIVE ANALYSIS	A.CHANDRA
17.12.16/SAT.	2P.M. – 4 P.M.	RESEARCH METHODOLOGY	S.K.BASU+S.ROY
20.12.16/TUE.	11A.M.-1 P.M	QUANTITATIVE ANALYSIS	A.CHANDRA

Syllabus of Quantitative Analysis

Lecture 1

- Types of data – Qualitative and Quantitative, Frequency and Non-Frequency.
- Basic Characteristics – Central Tendency, Dispersion, Skewness and Kurtosis.

Lecture 2

- Characteristics of Bivariate data – Correlation and Regression.
- Basic concepts of Probability.

Lecture 3

- Binomial, Poisson and Normal distributions and their basic properties.
- Introduction to the theory of inference.

Lecture 4

Tests of significance concerning a single population and comparison of two populations using Normal distribution.

The syllabi for other topics will be given in class