



University of Calcutta

Ph.D. Entrance Examination (Economics): 2012

Procedure:

- The Ph.D. entrance test of 100 marks for the suitable candidates¹ will be held once in a year and the qualifying marks will be fixed at 50%;
- At the most 15 candidates (with full concurrence with the reservation policy) will be enrolled this year (2012);

Structure of the Examination:

- There will be 30 multiple choice questions (MCQ), each of 2 marks and 2 comprehensions;
- For each MCQ there will be negative marking (1 mark);
- MCQs will be on Microeconomic Theory (8), Macroeconomic Theory (8), Statistics, Econometrics (10) and Mathematical Economics (4);
- There will be 2 comprehensions of 20 marks each;
- The selected passages for the test of comprehension would be on Contemporary Global and Indian Economic Problems;
- The eligible candidates identified through this process would be invited to submit a statement of purpose indicating the area of research interest (not exceeding 1000 words) on which a final interview will be conducted.
- These candidates would have to compete with other eligible candidates who have already cleared NET/SET/M.Phil and are willing to pursue Ph.D. studies;
- Those who are expected to obtain M.A./ M.Sc. in Economics from any UGC recognized university by July 31, 2012 would also be eligible to apply for RET. However, the final selection of these candidates would be contingent on their obtaining at least 55% (60%) of marks in aggregate in their M.A./ M.Sc. examination from the University of Calcutta (from any other UGC recognized university).
- The list of finally selected candidates would be posted in the Departmental Notice Board;

¹ Candidates with at least 55% marks in Economics at the M.Sc. level from the University of Calcutta or at least 60% of marks in aggregate from any other UGC recognized university are eligible to take the examination.

Those who have qualified in NET/SET or already obtained M.Phil. degree would be exempted from the examination. They may directly submit a statement of purpose indicating the area of research interest (not exceeding 1000 words) and appear in the interview;

Syllabus:

- **Microeconomic Theory:** Consumer Behaviour, Theory of Firm, Analysis of Market Structure, Theory of Distribution, General Equilibrium, Welfare Economics, Asymmetric Information, Public Goods & Externalities;
- **Macroeconomic Theory:** National Income Accounting, Aggregate Demand- Simple Keynesian Model, IS-LM Model, Interaction Between Aggregate Demand & Aggregate Supply- Short-run & Long-run Equilibrium, Classical Full Employment Model- Determination of Real Wage, Interest Rate & Price Level, Demand for Money, Supply of Money, Consumption Function, Investment Function, Inflation, Trade-cycle & Growth, Open-economy Macroeconomics;
- **Statistics & Econometrics:** Measures of Central Tendency, Dispersion, Higher Order Moments, Correlation, Theory of Probability, Theory of Statistical Inference, Classical Linear Regression Model (both 2-variable & k-variable cases)- Estimation, Hypothesis Testing & Prediction, Heteroscedasticity, Autocorrelation & Multicollinearity, Simultaneous Equation System & the Problem of Identification;
- **Mathematical Economics:** Optimization in Economics (Static & Dynamic), System of Simultaneous Equations and Cramer's Rule, Input-Output Analysis, Linear Programming, Elements of Game Theory;

Date of Examination: July 7, 2012 (Saturday) 1-3 p.m. in the Department of Economics, CU;

Date of Interview: August 4, 2012 (Saturday) from 11 a.m. in the Department of Economics, CU;

Application Deadlines:

- For Research Entrance Test: May 31, 2012;
- For Interview (submission of Statement of Purpose): June 29, 2012;

Course Work: One Semester Course-work of 16 credits;

- Research Methodology (including computer applications): 25 hours (4 credit)
- Foundation of Economics: 25 hours (4 credit)
- Issues in Economic Development with Special Focus on India: 25 hours (4 credit)
- Advanced Readings: 25 hours (4 credits);