



Syllabi for Ph.D Admission test

DEPARTMENT OF APPLIED SCIENCES

Physics

Same as that for CSIR-UGC National Eligibility Test (NET) for junior research Fellowship and Lecturer-ship.

Mathematics

Same as that for CSIR-UGC National Eligibility Test.

Geology

Same as that for CSIR-UGC National Eligibility Test.

Chemistry

Same as that for CSIR-UGC National Eligibility Test.

Humanities

(i) General Management

Intensive knowledge of functions of Management: Planning, Organizing, Staffing, Direction and Control.

(ii) Finance

Indian Financial System, Capital Structure: Financial and Operating Leverage. Cost of Capital, Capital Budgeting, Working Capital Management, Dividend Policy, Capital and Money Market, Derivatives : Future and Options, Role of Regulatory Authorities in Banking, Insurance and Stock Market, Credit Rating, Venture Capital, Mutual Funds, Lease Financing, Factoring, Measurement of risk and returns, FIIs-their role in Indian Capital Market. Importance of Banking to business, Recent Banking Sector Reforms in India.

(iii) Micro Financing

- Essentials of Micro Financing: Elementary Knowledge of the Principles of Micro Economics i.e Law of Demand, Laws of Consumption and Economies of Scales.
- Social business: Legal and Financial Framework for Social Business, Creating a Global infrastructure for Social Business, Role of Technology in Social Business.
- Bottom of the Pyramid: A Global Opportunity.
- Creating employment opportunities through Micro Financial Institutions (MFIs) in Developing Economies.
- Role of NABARD in Developing SHGs in India.