

**DEPARTMENT OF FINANCIAL STUDIES  
UNIVERSITY OF DELHI SOUTH CAMPUS  
NEW DELHI-110021**

**SYLLABUS FOR PH.D. ENTRANCE TEST - 2019**

The Entrance Test consists of two sections: (i) Research Aptitude/Methodology and (ii) Subject specific knowledge (Finance). Both the sections carry equal weightage.

**RESEARCH APTITUDE/METHODOLOGY**

**1. Mathematics**

- i. Profit & Loss
- ii. Discount
- iii. Compound Interest
- iv. Algebra
- v. Averages
- vi. Percentage
- vii. Ratio and Proportion
- viii. Problem on Ages
- ix. Speed Distance and Time
- x. Square Roots
- xi. Number System
- xii. Time and Work
- xiii. Trigonometry
- xiv. Geometry

**2. Statistics**

- i. Descriptive statistics
- ii. Probability theory and distributions
- iii. Sampling distribution
- iv. Hypothesis testing
- v. Correlation analysis
- vi. Regression analysis

### **3. Data interpretation**

- i. Histogram,
- ii. Graphs,
- iii. Pie charts,
- iv. Data tables

### **4. Verbal reasoning**

- i. Alphabet test
- ii. Alpha-Numeric sequence puzzle
- iii. Analogy
- iv. Assertion and reason
- v. Blood relations
- vi. Coding-Decoding
- vii. Verification of the truth of statement

### **5. Non-verbal reasoning**

- i. Completion of incomplete pattern
- ii. Construction of squares and triangles
- iii. Cubes and dices
- iv. Group of identical figures
- v. Figure matrix
- vi. Mirror-image

## **SUBJECT SPECIFIC KNOWLEDGE (FINANCE)**

### **6. Corporate Finance**

- i. Time Value of Money
- ii. Capital Budgeting/Investment Appraisal Techniques
- iii. Cost of Capital
- iv. Capital Structure Theory and Decisions
- v. Dividend Payout Decisions
- vi. Working Capital Management
- vii. Multinational Financial Management
- viii. Exchange Rates and International Trade

## **7. Investment Management**

- i. Portfolio Theory
- ii. Capital Asset Pricing Model and Arbitrage Pricing Theory
- iii. Efficient Market Hypothesis
- iv. Company Analysis and Stock Valuation
- v. Bond Prices and Yield
- vi. Principles of Financial Derivatives Market

## **8. Financial Accounting and Analysis**

- i. Accounting Principles
- ii. Conceptual Framework of Financial Statements
- iii. Depreciation Accounting for Fixed Assets
- iv. Inventory Valuation
- v. Cash Flow Statement
- vi. Annual Report Disclosures
- vii. Financial Statements Ratio Analysis

## **9. Financial Institutions and Services**

- i. Indian Financial System
- ii. Types of Financial Markets
- iii. Central Banks and Monetary Policy
- iv. Structure of Indian Banking Industry
- v. Mutual Funds and Insurance Sector in India
- vi. Risk Management in Financial Institutions

## **10. Current Financial Affairs**

- i. Indian Banking and Finance current affairs
- ii. International Business news and current affairs