



KN UNIVERSITY

SR.No.115,199,311,201-202,Smt. K. N. Patel International School, Near KNPIS Circle,
Vodafone Tower Lane, Gota, Ahmedabad, Gujarat

Ph.D Entrance Exam Syllabus

Computer Science Syllabus

- ❖ **KN University, Ph.D Entrance Test 2024-25 shall be of 100 marks and 3 hours duration. The format of the Entrance Test Paper shall be as follows:**

Section-1

- **25 marks** (50 objective type questions covering general knowledge, mathematics, reasoning, analytical skill/mental ability, communication skill and research methodology (1/2 mark for each question)).

Section-2

- **25 marks** (50 objective type multiple choice questions related to respective subject – (1/2 mark for each question)).
1. **Computer:** Fundamentals of computers, Open Office, Web Technology, Data Structure, Searching and Sorting, Database Management, Operating system, embedded system.
 2. **Programming Language:** PHP, Python, concepts of C and C++, Object Oriented Programming Concepts, Static and Dynamic memory allocation, Structure & Union, Pointer and Array
 3. **Computer Network:** Fundamental of Networking, Hardware and Software requirements. Functions of different parts like connectors, cables, Router, Switch etc. used in networking
 4. **Current Trends and Technology:** Cloud Computing, Cloud Security, Data Science & Analytics, IOT, Cyber security, Blockchain and Robotics

Section-3

- **50 marks** (10 descriptive type questions related to research methodology – (Five marks for each question)).



KN UNIVERSITY

SR.No.115,199,311,201-202,Smt. K. N. Patel International School, Near KNPIS Circle,
Vodafone Tower Lane, Gota, Ahmedabad, Gujarat

Ph.D Entrance Exam Syllabus

Management /Commerce Syllabus

- ❖ **KN University, Ph.D Entrance Test 2024-25 shall be of 100 marks and 3 hours duration. The format of the Entrance Test Paper shall be as follows:**

Section-1

- **25 marks** (50 objective type questions covering general knowledge, mathematics, reasoning, analytical skill/mental ability, communication skill and research methodology (**1/2 mark for each question**)).

Section-2

- ❖ **25 marks** (50 objective type multiple choice questions related to respective subject – (**1/2 mark for each question**)).

Accounting

- **Financial Accounting:** Basic Accounting Concept, Principles of Accounting and Accounting standard, Accounting Cycle, Capital and Revenue, Advanced Company Accounts.
- **Cost Accounting:** Basic Concept, Costing Methods and techniques, Classification of costs, Costing records.
- **Management Accounting:** Financial statement Analysis, Ratio Analysis, Budget and Budgetary Control, Marginal costing and Break Even analysis, Fund flow cash flow analysis, Standard costing.
- **Emerging Trends in Accounting:** Inflation accounting, Human Resource Accounting, Environmental Accounting, Forensic Accounting, Responsibility Accounting.
- **Corporate Taxes and Planning:** Basics framework of direct taxation, tax planning, company taxation, set-off and carry forward of losses, deductions under section 80. Tax planning with reference to amalgamations and mergers. Procedure for assessment, deduction of TDS, advance payment of tax, refunds, appeals, and revision.

Business Economics

- Nature and scope of managerial economics; macroeconomics and its interface with business and industry; national income; monetary system; fiscal policy; economic growth and development; Demand And Supply Analysis.

Business Management

- **Principles of Management**, Planning Process, Staffing, Organizing, Organizational Culture and Structure, Leadership and Control, Decision Making, Business Ethics and Corporate Governance
- **Financial Management**: Nature, scope and objectives of financial management. Cost of capital, capital budgeting, capital structure (including leverages), capital structure and value of the firm, capital structure theories, working capital management, dividend policy and valuation of the firm. International financial management(concepts only).
- **Marketing Management**: Concepts of Marketing, Evolution of Marketing, Marketing Environment, Marketing Mix, Marketing Planning, Pricing, Distribution and Promotion, Product decision.
- **Human Resource Management**: Role and Functions of HRM, Succession Planning, Recruitment and Selection, Training and Development, Performance Appraisal, Industrial Relations, HR Planning, Compensation.

Banking and Financial Institutions

- **Banking**:Importance of Banking to Business, Types of Banks, E Banking, Development Banking, Banking Sector Reforms in India, Reserve Bank of India, NABARD and Rural Banking.
- **Insurance**: introduction, Definition. nature, role and importance Types of insurance- Life and Non-life insurance; Risk classification and management; Factors limiting the insurability of risk & IRDA and its role
- **Financial markets**: Money market; Capital market; Government securities market
Financial Institutions: Development Finance Institutions (DFIs); Non-Banking Financial Companies (NBFCs); Mutual Funds; Pension Funds
Financial Regulators in India

Organisational Behavior

- The concept and significance of Organisational Behaviour - Skills and Roles in an organisation, Understanding and Managing individual behaviour personality Perception - Values - Attitudes - Learning - Motivation. Understanding and Managing Group Behaviour, Processes - Inter - personal and group dynamics - Communication - Leadership - Managing change - Managing conflicts, Organisational Development.

International Business

- Importance, Nature and Scope; Globalisation, Business Environment: Political, Legal, Economic and Cultural Environment and associated risks; Framework for analysing international business environment. WTO and Developing countries, WTO and India, Theoretical Foundations of international business. Balance of Payments; International liquidity, international Economic institutions: IMF, World Bank IFC, IDA, EXIM Bank, Policy of India, Regulation and promotion of Foreign Trade. Foreign Direct investment and Multinational Corporation, joint Ventures.

Section-3

- **50 marks (10 descriptive type questions related to research methodology – (Five marks for each question).**



KN UNIVERSITY

SR.No.115,199,311,201-202,Smt. K. N. Patel International School, Near KNPIS Circle,
Vodafone Tower Lane, Gota, Ahmedabad, Gujarat

Ph.D Entrance Exam Syllabus

Humanities (English) Syllabus

- ❖ **KN University, Ph.D Entrance Test 2024-25 shall be of 100 marks and 3 hours duration. The format of the Entrance Test Paper shall be as follows:**

Section-1

- ❖ **25 marks** (50 objective type questions covering general knowledge, mathematics, reasoning, analytical skill/mental ability, communication skill and research methodology (1/2 mark for each question).

Section-2

- **25 marks** (50 objective type multiple choice questions related to respective subject (1/2 mark for each question).
1. **History of English Literature** : The age of Chaucer, Age of Elizabeth, Age of Milton, Age of Dryden, Age of Pope, Age of Transition, Victorian age, Mid Twentieth century
 2. **Literary theory and criticism** : Marxism, Postmodernism, Psychoanalytic Criticism, formalism Structuralism, Deconstruction, Feminism, Postcolonial Criticism ,Cultural Studies and New Historicism
 3. **Indian writing in English** : History, Post colonial literature, Women writings

Section-3

- **50 marks** (10 descriptive type questions related to research methodology – (Five marks for each question).