



NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI - 620015

DEPARTMENT OF MANAGEMENT STUDIES

SYLLABUS FOR WRITTEN TEST

Legal Aspects of Business

The Indian Contract Act 1872 - Essentials of a valid contract - Void Agreements - Definition of contract - Formation of a contract - performance of contracts - breach of contract and its remedies - Quasi Contracts - Contracts of Indemnity - Meaning - Right of Indemnity Holder and Indemnifier - Contracts of Guarantee - Types of Guarantee - Bailment and Pledge.

The Sale of Goods Act 1930 - Sales contract Goods: Meaning and Classifications - Transfer of title and risk of loss - Conditions and Warranties in sales contract - performance of sales contracts - conditional sales and rights of an unpaid seller. Nature of agency - Creation of agency - types of agents - Agent's authority and liability of principal and third party - Termination of agency.

The Companies Act 2013 and FEMA 1999 - Meaning and Definition of Company - Major Principles and Theories - Nature and Types - Formation: Memorandum and Articles of Association, Prospectus and other Constituent Documents - Directors Powers and Duties - Mergers and Amalgamation - Winding Up of companies. Introduction to FEMA 1999 - Major Concepts - Important Provisions.

The Consumer Protection Act 2019 - Consumer Protection Act 2019 Salient features - Aim and Important Definitions - Consumer Complainant - Goods - Service - Meaning of Consumer Dispute - Complaint - Unfair Trade Practices - Restrictive Trade Practices - Rights of Consumers - Consumer Protection Councils - Central Consumer Protection Authority - Three - tier Grievance Redressal Machinery.

The Information Technology Act 2000 and The Right to Information Act 2005 - The Information Technology Act - 2000 - Aims and objectives and 2002 - Digital Signature - Digital Signature Certificate - Electronic Governance - Electronic Records - Certifying Authorities - Penalty and Adjudication - Introduction to Cyber Laws - Cybercrimes. RTI Act 2005 - Applicability of the Act - Mechanism and Scope of the Act - Important provisions.

Information Management

Digital Business Transformation - Information System: Concepts - IS in Organizations - Types of Information Systems - Business Perspectives of IS - IS in Business Functions - Strategic perspectives of IS and its competitive advantage in business. IS impact in organization.

Business Hardware and Software - Software - as - service - Enterprise Resource Planning - Supply Chain Management Systems - Customer Relationship Management Systems - Expert System - Block Chain Technology in Business - E - Business and E - Commerce applications.

Overview of system development - System Development Life Cycle - Prototyping - Structuring system process requirements - Structuring system logic requirements - Structuring system data requirements.

Database Management Systems: Database models - Data Warehouse - Business Intelligence: Framework - Business Analytics - OLAP - Data Mining - Artificial Intelligence for Business - Dashboards - Balance scorecards.

Challenges of Global Information System - Ethical and Societal issues - Outsourcing Risk in IT services - Security measures: Network security - Licensing applications.

Corporate Information Strategy and Management

Emerging Digital Economy - growth and opportunities in Information economy - IT and strategy - Understanding the forces - conducting a strategy audit - assessing IT impact and alignment - IT and organisation - Understanding Business Networks - Designing Hybrid Governance - Building collaborative community.

Basic components of Internetworking Infrastructure - Rise of Internetworking and its business implications - Assuring reliable and secure IT services - New service models - Managing risk through incremental outsourcing with service providers and Legacies - Managing IT infrastructure assets.

Organizational issues in the control of IT activities - Drivers toward user dominance - Drivers toward a centralized IT structure - IT leadership and Management of budgets - Cause for outsourcing - when to outsource - structuring the alliance - Managing the alliance.

Sources of implementation risk - Project categories and Degree of risk - Project management

- A contingency approach - Evaluating strategic benefits of IT - Cases.

International information system architecture - Global strategies and Business organization, Technology challenges of global systems, Solution deployment - Contract management - Socio - cultural aspects of managing IS in organizations.

Production and Operations Management

Overview of Production & Operations Management and Supply Management. Introduction to Demand Forecasting – Qualitative Forecasting Techniques – Basic Quantitative Forecasting Techniques – Measures of Errors – Technology S-Curve & Forecasting

Plant location: Factors to be considered–Multi Plant Location–Evaluation of Factors using Rations plan & Cost Analysis–Plant location trends. Plant Layout: Types of Layout.

Introduction to Job Design – Motion Study. Job Evaluation – Job Evaluation Techniques. Work Measurement: Time Study–Work Sampling.

Introduction to Materials Management – Purchasing and Warehousing Functions – Vendor Development and Rating. Value Analysis

Introduction and Evolution of Quality Management, Inspection overview, objectives and scope; Quality control, Overview Total Quality management and its importance. Introduction to Six-Sigma.

Technology Management

Definition - scope - components - History of technology developments - Issues in managing new technology - Life cycle approach to technology management.

Approaches to forecasting - Technology performance parameters - Use of Experts in technology forecasting - planning technological process - Morphological analysis of a Technology system.

Techno Economic feasibility study - Application of multi criteria decision making techniques in technologies evaluation and selection - AHP - Fuzzy AHP.

Modes of global technology transfer Technology - Human Interface - Organization structures and Technology Implementation issues in new technology.

Introduction to IPR Act - Issues - the effectiveness and management of patents Trademarks and copyrights.