



Techno India University, Tripura

Syllabus Outline for Common Research Methodology Test (Part A) of TIUTRET 2025

Unit I: Meaning and Importance of Research; Introduction to Research Methodology.

Unit II: Understanding the language of Research.

Unit III: Subjectivity and Objectivity in Research; Importance of Theory in Research.

Unit IV: Types of Research; Steps in Research.

Unit V: Problem Formulation and Hypothesis.

Unit VI: Data: Sources—Primary and Secondary, Methods of Data Collection.

Unit VII: Sampling and Sampling Techniques.

Unit VIII: Interview, Observation, Questionnaire, Schedule, Processing and Analysis of Data.

Unit IX: Research Design & its Types and Research Report Writing; Citation Pattern and Bibliography.

Unit X: Research Ethics.



Syllabus Outline for Department Specific Knowledge Test (Part B) of TIUTRET 2025

Subject: English

Unit I : Drama

Unit II : Poetry

Unit III : Fiction, short story

Unit IV : Non-Fictional Prose

Unit V : Language: Basic concepts, theories and pedagogy. English in Use.

Unit VI : English in India: history, evolution and futures

Unit VII : Cultural Studies

Unit VIII : Literary Criticism

Unit IX : Literary Theory post World War II

Unit X : Research Methods and Materials in English

Subject: Geography & Disaster Management

Unit I: Geomorphology

Unit II: Climatology

Unit III: Oceanography

Unit IV: Geography of Environment

Unit V: Population and Settlement Geography

Unit VI: Geography of Economic Activities and Regional Development

Unit VII: Cultural, Social and Political Geography

Unit VIII: Geographic Thought

Unit IX: Geographical Techniques

Unit X: Geography of India



Subject: Commerce

Unit I: Business Environment and International Business

Unit II: Accounting and Auditing

Unit III: Business Economics

Unit IV: Business Finance

Unit V: Business Statistics and Research Methods

Unit VI: Business Management and Human Resource Management

Unit VII: Banking and Financial Institutions

Unit VIII: Marketing Management

Unit IX: Legal Aspects of Business

Unit X: Income-tax and Corporate Tax Planning

Subject: Law

Unit I: Jurisprudence

Unit II Constitutional And Administrative Law

Unit III: Public International Law And IHL

Unit IV: Law Of Crimes

Unit V: Law Of Torts And Consumer Protection

Unit VI: Commercial Law

Unit VII: Family Law

Unit VIII: Environment and Human
Rights Law

Unit IX: Intellectual Property Rights And
Information Technology Law

Unit X: Comparative Public Law And
Systems Of Governance

Subject: Management

Unit I: Principles of Management

Unit II : Organizational Behaviour

Unit III : Human Resource Management

Unit IV: Principles of Accounting

Unit V: Financial Management

Unit VI: Corporate Strategies and Business

Unit VII : Marketing Management

Unit VIII: Business Research Methods and Statistics

Unit IX : International Strategies and Business

Unit X : Entrepreneurship and Innovation techniques

Subject: Biotechnology

Unit I: Molecules and Their Interactions

Unit II: Cell Structure and Function

Unit III: Fundamental Process and Cell signalling

Unit IV: Biochemistry

Unit V: Microbiology

Unit VI: Biotechnology and Genetics

Unit VII: Developmental Biology

Unit VIII: Molecular biology and Immunology

Unit IX: Ecology and Evolution

Unit X: Methods in Biology

Unit XI: Bioinformatics and Bio-Statistics

Subject: Microbiology

Unit I: Molecules and Their Interactions

Unit II: Cell Structure and Function

Unit III: Fundamental and Molecular Genetics

Unit IV: Microbiology

Unit V: Biotechnology and Genetic Engineering

Unit VI: Immunology

Unit VII: Developmental Biology

Unit VIII: Ecology and Evolution

Unit IX: Methods in Biology

Unit X: Statistics



Subject: Computer Science & Engineering

Unit I: Data Structures and Algorithms

Unit II: Programming Paradigms and Languages

Unit III: Database Systems and SQL

Unit IV: Operating Systems and Unix

Unit V: Computer Networks and OSI Model

Unit VI: Artificial Intelligence and Machine Learning

Unit VII: Web and Internet Technologies

Unit VIII: Software Engineering and Development Models

Unit IX: Computer Architecture and Digital Logic

Unit X: Cloud Computing and Cybersecurity