

## Tezpur University Entrance Examination Syllabus

### TUEE English Syllabus 2020

- Synonyms
- Antonyms
- Prepositions
- Sentence Completion
- Active and Passive Voice
- Spelling Test
- Spotting Errors
- Passage Completion
- Substitution
- Sentence Arrangement
- Transformation
- Idioms and Phrases
- Sentence Improvement
- Para Completion
- Joining Sentences
- Error Correction (Underlined Part)
- Error Correction (Phrase in Bold)
- Fill in the blanks

### TUEE Reasoning Syllabus 2020

- Puzzles
- Verbal Reasoning
- Logical Reasoning
- Data Sufficiency
- Non-Verbal Reasoning
- Data Interpretation
- Analytical Reasoning

### TUEE General Knowledge Syllabus 2020

- Inventions in the World
- Sports
- Basic Computer
- Indian History
- Indian Economy
- Famous Days & Dates
- Famous Books & Authors

- Botany
- Indian Parliament
- Indian Politics
- Chemistry
- Geography
- Physics
- Zoology
- Environment
- Indian Culture

### **TUEE Physics Syllabus 2020**

- Rotational Motion
- Gravitation
- Properties of Solids and Liquids
- Thermodynamics
- Work, Energy, and Power
- Current Electricity
- Magnetic Effects of Current and Magnetism
- Kinetic Theory of Gases
- Oscillations and Waves
- Electrostatics
- Physics and Measurement
- Kinematics
- Laws of Motion
- Electromagnetic Waves
- Optics
- Dual Nature of Matter and Radiation
- Atoms and Nuclei
- Electronic Devices
- Communication Systems
- Electromagnetic Induction and Alternating Currents

### **TUEE Chemistry Syllabus 2020**

- Basic Concepts in Chemistry
- Equilibrium
- Redox Reactions and Electrochemistry
- Chemical Kinetics
- Surface Chemistry
- Classification of Elements and Periodicity in Properties
- General Principle and Processes of Isolation of Metals

- Hydrogen
- Chemical Thermodynamics
- Solutions
- P – Block Elements
- d – and f – Block Elements
- Co-ordination Compounds
- Environmental Chemistry
- Purification and Characterization of Organic Compounds
- Basic Principles of Organic Chemistry
- Hydrocarbons
- Organic Compounds Containing Halogens
- Organic Compounds Containing Oxygen
- Alcohols, Phenols, and Ethers
- Organic Compounds Containing Nitrogen
- Polymers
- Biomolecules
- Chemistry in Everyday Life
- Principles Related to Practical Chemistry
- S – Block Elements (Alkali and Alkaline Earth Metals)
- States of Matter
- Atomic Structure
- Chemical Bonding and Molecular Structure

#### **TUEE Mathematics Syllabus 2020**

- Limit, continuity, and differentiability
- Statistics and probability
- Matrices and determinants
- Integral calculus
- Trigonometry
- Permutations and combinations
- Differential equations
- Sets, relations, and functions
- Sequences and series
- Mathematical induction
- Co-ordinate geometry
- Binomial theorem and its simple applications
- Vector algebra
- Complex numbers and quadratic equations
- Mathematical reasoning
- Three-dimensional geometry

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