TGUGCET Syllabus & Exam Pattern

TGUGCET Exam Pattern

The group at Intermediate/ Test to be appeared	Subject wise marks (Total 120 marks)	Eligibility for Admission into Degree Course
MPC: Test-1: EMPC	- English – 30 Marks - Botany – 30 Marks - Physics – 30 Marks - Chemistry – 30 Marks	B.Sc (MPC & all other physical sciences courses), B.Com / BA (all courses), & BBA
BPC: Test-2: EBZC	- English – 30 Marks - Botany – 30 Marks - Zoology – 30 Marks - Chemistry – 30 Marks	B.Sc (BZC & all other life sciences courses), B.Com / BA (all courses), & BBA
MEC: Test – 3: EMAC	- English – 30 Marks - Maths – 30 Marks - Accounts – 30 Marks - Commerce – 30 Marks	B.Sc (Maths, Statistics & Computers) B.Sc (Maths, Economics & Statistics), B.Com / BA (all courses), & BBA

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CEC: Test – 4: ECEC	**English – 30 Marks** **Economics – 30 Marks** **Accounts – 30 Marks** **Commerce – 30 Marks**	**B.Com / BA (all courses), & BBA**
HEC: Test – 5: EHEC	**English – 30 Marks** **History – 30 Marks** **Economics – 30 Marks** **Civics – 30 Marks**	**B.Com / BA (all courses), & BBA**

TGUGCET Topics

English

- **Spellings/Detecting Mis-spelt words**
- **Antonyms and its correct usage**
- **Common Error**
- **Active/Passive Voice of Verbs**
- **Comprehension Passage**
- **Spot the Error**
- **Cloze Passage**
- **Fill in the Blanks**
- **Shuffling of Sentence parts**
- **Conversions**
- **Sentence Rearrangement**
- **Grammar**
- **Shuffling of Sentences in a passage**
- **Improvement of Sentences**
- **Synonyms/Homonyms**
- **Antonyms**

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- **Vocabulary**
- **Idioms & Phrases**
  One word substitution

Physics

- **Mathematical Methods**
- **Classical Mechanics**
- **Relativity**
- **Atomic**
- **Molecular Physics**
- **Condensed Matter Physics**
- **Thermodynamics**
- **Statistical Mechanics**
- **Nuclear and Particle Physics**
- **Quantum Theory and its Applications**
- **Electromagnetic Theory**
- **Electronics**
- **Experimental Physics**

Chemistry

- **General Chemistry**
- **Structure of Atom**
- **Electrochemistry**
- **Periodicity**
- **Solid State**
- **Solutions**
- **Classification of Elements**
- **Molecular Structure**
- **Chemical Bonding**
- **Surface Chemistry**
- **Redox Reactions**
- **Chemical Kinetics**
- **States of Matter**
- **Equilibrium**
- **Thermodynamics**
- **Processes of Isolation of Elements**
- **Coordination Compounds**
- **P, D, F Block Elements**
- **Hydrogen**

Accounts

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- **Business Laws**
- **Business Economics & Indian Economics etc**
- **General and Comptroller within the Indian Constitution**
- **Auditing**
- **Taxation (Direct and Indirect)**
- **Indian Audit and Accounts Service**
- **Principles and Practice of Management**
- **Cost and Management Accountancy**

Commerce

- **Management Principles and Techniques**
- **Taxation Laws – Direct & Indirect**
- **Financial Accounting**
- **Advanced Cost Accounting**
- **Security Analysis and Protifoils Management**
- **Recent Trends in Commerce**
- **Research Methodology and Quantitative Techniques**
- **Management Information Systems**

History

- **Indian Culture**
- **Early Structure of the British Raj**
- **Themes in Early Indian Cultural History**
- **Guptas, Vakatakas and Vardhanas**
- **British Expansion in India**
- **European Penetration into India**
- **Imperialism and Colonialism**
- **Nation-State System**
- **Mughal Empire in the Seventeenth Century**
- **Modern Indian History**
- **Economy and Society in the Sixteenth and Seventeenth Centuries**
- **Mauryan Empire**
- **Early State and Society in Eastern India, Deccan and South India**
- **Sources**
- **Indian Response to British Rule**
- **Cultural Traditions in India**
- **Origins of Modern Politics**
- **Enlightenment and Modern ideas**
- **Economic Impact of British Colonial Rule**
- **Industrialization**
- **Society, Culture and Economy in the Thirteenth and Fourteenth Centuries**

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- **Origins of Modern Politics**
- **Period of Mahajanapadas**
- **Social and Cultural Developments**
- **Indus Valley Civilization**
- **Pre-history and Proto-history**
- **Culture in the Mughal Empire**
- **Aryans and Vedic Period**
- **Megalithic Cultures**
- **Early Medieval India**
- **Post - Mauryan Period (Indo-Greeks, Sakas, Kushanas, Western Kshatrapas)**
- **The regional States during the Gupta Era**
- **Indian Freedom Struggle**
- **History of the World**

Civics

- **Scope and aim of civics**
- **ties of citizenship**
- **Social unit and groups**
- **village**
- **fellowships**
- **historic sketch**
- **the typical village of medieval times**

Zoology

- **Non-Chordata and Chordata**
- **Ecology**
- **Ethology**
- **Economic Zoology**
- **Biostatistics**
- **Instrumentation Methods**
- **Cell Biology**
- **Genetics**

Botany

- **Agronomy and Crop Science**
- **Algology and Phycology**
- **Bacteriology**
- **Bryology**
- **Mycology**
- **Paleobotany**

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- **Plant Anatomy and Physiology**
- **Plant Cell Biology**

Maths

- **Relations and Functions**
- **Logarithms**
- **Complex Numbers**
- **Quadratic Equations**
- **Sequences and Series**
- **Trigonometry**
- **Cartesian System of Rectangular Coordinates**
- **Statistics**
- **Differentiation**
- **Introduction to Three Dimensional Geometry**
- **Straight Lines**
- **Circles**
- **Conic Sections**
- **Permutations and Combinations**
- **Vectors**
- **Exponential and Logarithmic Series**
- **Sets and Set Theory**
- **Probability Function**
- **Limits and Continuity**
- **Applications of Derivatives**
- **Indefinite Integrals Binomial Theorem**
- **Matrices**
- **Determinants**
- **Definite Integrals**