



## TTW RJC CET Exam Pattern

Subject	Total
Maths	20 marks
Physical Science	20 marks
Bio. Science	20 marks
Social Studies	20 marks
English (Comprehension & Grammar)	20 marks
<b>Total Marks</b>	<b>100 Marks</b>

## TS Gurukulam TTW RJC CET Syllabus

### English

- Rules For Tenses
- Rules For Prepositions
- List of Prepositions
- Rules and List of Conjunctions
- Active And Passive Voice Rules
- List of One Word Substitutions
- List of Homophones/Homonyms
- List of Synonyms and Antonyms
- Idioms And Phrases
- Spotting the Error
- Reading Comprehension
- Cloze Test
- Letter Writing Format
- Precis Writing
- Sentence Correction Questions
- Adjective Degree Of Comparison Rules
- Article Rules
- Direct & Indirect Speech Rules



- Sentence Rearrangement & Para jumbles

## Mathematics

- Algebra.
- Calculus and analysis.
- Geometry and topology.
- Combinatorics.
- Logic.
- Number theory.
- Dynamical systems and differential equations.
- Mathematical physics.

## Physical Science

- Phases of matter and phase transitions.
- Temperature and thermometers.
- Energy and heat.
- Heat flow: conduction, convection, and radiation.
- The four laws of thermodynamics.

## Bio Science

- Photosynthesis
- Carbon Cycle
- Nitrogen Cycle
- Difference Between Mitosis And Meiosis
- Flora And Fauna
- Human Digestive System
- Human Heart
- Sense Organs

## Social Studies

- Culture
- Time, Continuity, and Change
- People, Places, and Environments
- Individual Development and Identity
- Individuals, Groups, and Institutions

Telangana Tribal Welfare Residential Educational Institutions Society (Regd.),  
Gurukulam, Hyderabad



- Power, Authority, and Governance
- Production, Distribution, and Consumption
- Science, Technology, and Society.