

TN TRB Assistant Professor Syllabus 2024

General Knowledge Syllabus

Topics	
Indian Constitution	Important Days.
Economy – India.	Abbreviations.
General Science.	Indian Polity.
Science & Technology.	Indian Constitution.
History – India & Tamil Nadu.	Books & Authors
National & International Organizations.	Who's Who?
geography – India, Tamil Nadu & World.	Awards & Honors
Social- Economic & Cultural Issues.	Social- Economic & Cultural Issues.
People & Personalities.	Sports.

Mechanical Syllabus

Topics	
Heat Transfer	Applied Thermodynamics

Machine Design & Vibration	Mechatronics
Strength of Materials	Material Science
Production Process	Theory of Machines
Dynamics of Machinery	

Civil Syllabus

Topics	
Concrete Technology	Solid Mechanics
Structural Analysis	Steel Structures
Reinforced Concrete Structures	Civil Engineering Materials and Construction
PSC Structures	Hydraulic Structures
Hydrology & Water Resources Engineering	

Computer Science

Topics	
Operating System	Digital Logic

Programming and Data Structures	Computer Organization and Architecture
Compiler Design	Computer Networks

Electronics Syllabus

Topics	
Basics of Circuits and Measurement Systems	Digital Electronics
Electrical and Electronic Measurements	Analog Electronics
Transducers	

Chemistry Syllabus

Topics	
Organic Chemistry	P-Block Elements
Biomolecules	Solutions
Haloalkanes and Haloarenes	Chemistry in Everyday Life
Organic Compounds Containing Nitrogen	Thermodynamics

Physics Syllabus

Topics	
Thermal Properties of Matter	Gravitation
Kinetic Theory	Nuclei
Laws of Motion	Units and Measurements
Systems of Particles and Rotational Motion	Mechanical Properties of Fluids

Mathematics Syllabus

Topics	
Indices	Algebraic Expressions
Cube & Cube Root	Square & Square Root
Factors	Equations
Interest	Ratio and Proportion

English Syllabus

Topics	
Common Vocabulary	Use of Idioms & Phrases and their meaning

Grammar	Sentence Structure
Comprehension of Passage	