

# VSSC Technical Assistant Syllabus|| Check VSSC Thiruvananthapuram Exam Pattern @ [www.vssc.gov.in](http://www.vssc.gov.in)

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## VSSC Scientific Assistant Exam Pattern

S.No	Name of Subjects	Exam Type
1.	Basic English	Objective Type Examination
2.	General Knowledge	
3.	Concerned Subjects( Electrical & Mechanical)	

## Vikram Sarabhai Space Centre Technical Junior Technician Syllabus

### English

1. Vocabulary.
2. Synonyms/ Homonyms.
3. Grammar.
4. Idioms and phrases.
5. Spot the error.
6. Verbs.
7. Antonyms.
8. Fill in the blanks.
9. passage.
10. Verbal Comprehension passage.
11. Detecting Mis-spelt words.
12. Clauses.
13. Sentence structure.
14. Spellings.
15. One word substitutions.
16. Adjectives.
17. Improvement

### General Knowledge

1. About India and it's neighboring countries.
2. History of India.
3. Scientific observations.
4. Economic issues in India.
5. National News (current).
6. Political Science.
7. International issues.
8. Books And Author.
9. Geography of India.

10. Indian Culture.
11. Famous Places in India.
12. New inventions.
13. National and international current affairs.
14. Countries and Capitals.
15. Science and innovations.
16. World organizations.

### **Electrical Engineering**

1. Basic concepts.
2. Circuit law.
3. AC Fundamentals.
4. Basic Electronics.
5. Transmission and Distribution.
6. Estimation and Costing.
7. Utilization and Electrical Energy.
8. Measurement and Measuring Instruments.
9. Electrical Machines.
10. Fractional Kilowatt Motors.
11. Single-phase induction Motors.
12. Synchronous Machines.
13. Magnetic Circuit.
14. Generation.

### **Electronics and Communication Engineering**

1. Basics of Circuits and Measurement Systems.
2. Digital Electronics.
3. Analytical, Optical Instrumentation.
4. Analog Electronics.
5. Control Systems and Process Control.
6. Signals, Systems, and Communications.
7. Electrical and Electronic Measurements.
8. Transducers, Mechanical Measurement and Industrial Instrumentation.

### **Mechanical**

1. Heat Engines.
2. The strength of Materials.
3. Structural Engineering.
4. Thermodynamics.
5. Fluid Mechanics.
6. Automobile Engineering.
7. Manufacturing Technology.
8. Industrial Engineering & Management etc.
9. Hydraulics.
10. Theory of Machines.

### **Computer Science**

1. Databases.
2. Computer Organization and Architecture.
3. Operating System.
4. Computer Networks.
5. Theory of Computation.
6. Compiler Design.
7. Web technologies.
8. Information Systems and Software Engineering.

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