

ISRO URSC Technical Assistant Exam Pattern

Parts	Type Of Exam	Subject Name	Number Of Questions	Number Of Marks
Part-A	Objective	General English	23	03 Marks
		General Knowledge	23	03 Marks
		Arithmetic	23	03 Marks
		Reasoning	13	03 Marks
		Computer Literacy	8	03 Marks
Part-B	Descriptive	English Language	3	10 Marks

ISRO URSC Technical Assistant Syllabus: Topic Wise

Basic English

- Grammar.
- Word Formation.
- Error Correction.
- Adverb.
- Articles.
- Verb.
- Tenses.
- Synonyms.
- Sentence Rearrangement.
- Antonyms.
- Comprehension.
- Theme detection.
- Passage Completion.
- Sentence Completion.
- Fill in the Blanks.
- Vocabulary.
- Conclusion.
- Unseen Passages.
- Idioms & Phrases.
- Subject-Verb Agreement.

General Knowledge

- Indian National Movement.
- Current events of National and International importance.
- Basic Knowledge of the Indian Constitution.
- Sports and Entertainment.
- Human Resource Development Index of India.
- Indian History (ancient, medieval, modern).
- Natural Resources, Planning, Sustainable and Inclusive Development.
- Natural Calamities and Disaster Management.
- Biotechnology and Health Issues.

- Development of Science and Technology In India
- Human Rights.
- Indian Geography, Economy, and Agriculture.
- Various aspects of Rural and Urban Development.
- General Science.
- Development and Environmental Problems.

Arithmetic

- Trigonometry.
- Partial Fractions.
- Differentiation and its Applications.
- Complex Numbers.
- Analytical Geometry.
- Differential Equations.
- Integration and Its Applications.

Firemen and Driver- Cum- Operator

- Relation between.
- LPG properties.
- Pressure, volume, and temperature
- Basic Chemistry:
- Flammable liquids and gasses.
- The basic concept is the use of electricity and its hazards.
- Volumes of cylinders, cones, sphere, and cuboid.
- Areas of triangle, rectangle, and parallelogram.
- Properties of Water, CO₂, O₂, H₂, Inert gasses.

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Technical Assistant

- Mechanics of Materials.
- Vibrations.
- Mechanical
- Machine Design.
- Engineering Mechanics.
- Theory of Machines.
- Fluid Mechanics.
- Power Engineering.
- Turbo-machinery.
- Inventory Control etc.
- Engineering Materials.
- Heat-Transfer.
- Thermodynamics.
- Computer Integrated Manufacturing.
- Production Planning and Control.
- Metrology and Inspection.
- Casting, Forming, and Joining Processes.
- Machining and Machine Tool Operations.
- I.C. Engines.

- Refrigeration and air-conditioning.
- Operations Research.

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