## KSRTC Technical Assistant Exam Pattern 2022

| Sl.No | Test Subjects | No of questions | Maximum Marks | Exam Duration |
|---|---|---|---|---|
| 1 | General Knowledge | 100 | 100 marks | 75 minutes |
| 2 | Quantitative Aptitude | | | |
| 3 | Reasoning | | | |
| 4 | Kannada/ English Languages | | | |

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### KSRTC Technical Assistant Syllabus 2022 for English

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

### KSRTC Technical Assistant Syllabus 2022 for General Knowledge

- Indian Constitution.
- History.
- Science – Inventions & Discoveries.
- Geography.
- Budget and Five Year Plans.
- Economy.
- Important Financial & Economic News.
- Culture.
- Scientific Research.
- Sports.
- India and its neighboring countries.
- General Politics.

- Knowledge of Current Events.
- Economy, Banking, and Finance.
- Current Affairs – National & International.
- Countries & Capitals. etc.

**Karnataka State RTC Technical Assistant Syllabus 2022 for Computer Knowledge**

- Windows.
- Files and Folders.
- Introduction to Windows.
- Zip & Unzip files.
- Utilities.
- Internet Browser.
- Internet.
- Instant Messengers.
- E-mail.
- Page Layout.
- Word Processing.
- Presentation Software
- Spreadsheets etc.

**KSRTC Technical Assistant Syllabus 2022 for Mathematics**

- Number Systems.
- Decimals and Fractions.
- Computation of Whole Numbers.
- Fundamental Arithmetical Operations.
- Relationship Between Numbers.
- Ratio & Proportion.
- Percentage.
- Simple Interest.
- Profit & Loss.
- Discount.
- Average.
- Time & Work.
- Partnership.
- Use of Tables and Graphs.
- Time & Distance.
- Mensuration.

**Karnataka State RTC Technical Assistant Syllabus 2022 for Reasoning**

- Logical Reasoning.
- Syllogism.
- PuzzleTabulation also.
- Alphanumeric Series.
- Input-Output.
- Seating Arrangement.
- Coded Inequalities.
- Data Sufficiency.

- Coding Decoding.
- Blood Relations.
- Ranking/Direction/Alphabet Test.

**Karnataka State RTC Technical Assistant Syllabus 2022 For Civil Engineering**

- Building Materials.
- Estimating, Costing, and Valuation.
- Surveying.
- Soil Mechanics.
- Hydraulics.
- Irrigation Engineering.
- Transportation Engineering.
- Environmental Engineering.

**KSRTC Technical Assistant Syllabus 2022 For Chemical Engineering**

- Process Calculations.
- Thermodynamics.
- Fluid Mechanics.
- Mechanical Operations.

**KSRTC Technical Assistant Syllabus 2022 For Electronics & Communication Engineering**

- Basics of Circuits and Measurement Systems.
- Electrical and Electronic Measurements.
- Digital Electronics.
- Analog Electronics.
- Transducers, Mechanical Measurement.
- Analytical, Optical Instrumentation.
- Control Systems and Process Control.
- Signals, Systems, and Communications.

**KSRTC Technical Assistant Syllabus 2022 For Chemistry**

- The s – block elements.
- P-block elements – group 14 (carbon family).
- Organic chemistry
- Solutions.
- Surface chemistry.
- Thermodynamics.
- Chemical equilibrium and acids-bases.
- Hydrogen and its Compounds.
- Atomic structure.

**KSRTC Technical Assistant Syllabus 2022 For Mechanical Engineering**

- Theory of Machines and Machine Design.
- Properties of Pure Substances.

- 1st Law of Thermodynamics.
- 2nd Law of Thermodynamics.
- IC Engines Combustion.
- Air standard Cycles for IC Engines.
- IC Engine Performance.
- IC Engine Cooling & Lubrication.
- Rankine cycle of System.
- Boilers.
- Classification.
- Specification.
- Fitting & Accessories.
- Air Compressors & their cycles.
- Refrigeration cycles.
- Fluid kinematics.
- Dynamics of Ideal fluids.
- Measurement of Flow rate.
- Basic principles.
- Hydraulic Turbines.
- Centrifugal Pumps.
- Classification of steels.

**Karnataka State RTC Technical Assistant Syllabus 2022 For  Physics**

- Laws of motion.
- Thermal properties of matter.
- Units and measurements.
- Kinetic theory.
- Gravitation.
- Work, energy, and power.
- Wave optics.
- Oscillations.
- Physical world.