

## BIS Technical Assistant (Lab) Exam Pattern

Name of the Subject	Questions	Max Marks	Total Marks
Reasoning	50	50	2 Hours
English Language	50	50	
General Awareness	50	50	
Technical Knowledge of concerned discipline (Electric / Mechanical/ Chemical/ Microbiology/ Civil)	50	50	

## BIS Senior Technician Exam Pattern

Name of the Subject	Questions	Max Marks	Total Marks
Reasoning	50	50	2 Hours
English Language	50	50	
General Awareness	50	50	
Questions related to common syllabus of ITI	50	50	

## BIS Technical Assistant Syllabus-Topics Wise

### General English

- Synonyms
- Antonyms
- Error Correction (Underlined Part)
- Spotting Errors
- Passage Completion
- Joining Sentences
- Sentence Arrangement
- Fill in the blanks
- Sentence Improvement
- Error Correction (Phrase in Bold)
- Sentence Completion
- Prepositions
- Idioms and Phrases
- Transformation

- Para Completion
- Spelling Test
- Active and Passive Voice
- Substitution

## **Computer Knowledge**

- Internet use.
- Downloading from Web Page
- Net-Surfing.
- MS Word.
- PowerPoint Presentation.
- MS Office.
- Uploading in Web Page.
- MS Excel.

## **General Awareness**

- Basic Computer
- Chemistry
- Indian Culture
- Physics
- Indian Parliament
- Zoology
- Environment
- Basic GK
- Indian History
- Geography
- Indian Economy
- Famous Days & Dates
- Indian Politics
- Sports
- Inventions in the World
- Botany
- Famous Books & Authors

## **Reasoning**

- Non-Verbal Reasoning
- Data Interpretation
- Logical Reasoning
- Data Sufficiency
- Judgment.
- Puzzles Verbal Reasoning
- Analogies.
- Analytical Reasoning
- Similarities And Differences.
- Spatial Orientation.
- Coding And Decoding.
- Discrimination.
- Analysis.
- Problem Solving.
- Decision Making.
- Non-Verbal Series
- Statement-Conclusion
- Space Visualisation.
- Observation.
- Syllogistic Reasoning.
- Arithmetical Reasoning And Figural Classification.
- Arithmetic Number Series.
- Visual Memory.
- Relationship Concepts.

## **Electrical**

- AC Fundamentals
- Measurement and measuring instruments
- Basic Electronics etc
- Drives
- Network Theory
- Power Electronics
- Utilization of Electrical
- energy
- Power Systems
- Electrical Machines
- Analog and Digital Electronics, Magnetic Circuit
- Basic Electrical Engineering Concepts

## **Civil Engineering**

- Surveying.
- Civil Engineering Materials.
- Bridge Architecture
- Bridge Superstructure.
- The design of Structure.
- Transportation Engineering.
- Steel Structures.
- Engineering Mechanics.
- Fluid Mechanics.
- Hydrology etc.
- Elements of Structural Analysis.
- Bridge Engineering.
- The strength of Materials.
- Reinforced Concrete Structures.
- Elements of Geotechnical Engineering

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