



**RECRUITMENT CELL**  
**NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 620 015.**  
**Syllabus for the posts of Non-Teaching (Group B and C) posts - Technical**

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**31.03.2023**

**Ref: Advt. No. NITT/R/RC/NT/2023/04**

**POST: Senior Technician**

**SCREENING TEST (Objective Type - MCQs – 90 mins – 75 marks)**

**Part–A: 40 %**

**General Aptitude & Reasoning:** Analogies, similarities and differences, problem solving, relationship concepts, Order and ranking, Fundamental arithmetic operations, Profit and Loss, Number Systems.

**General Knowledge:** General awareness and current affairs

**General English:** Error recognition, Fill in the blanks (using verbs, preposition, articles etc.), One word substitution, Vocabulary, Spellings, Grammar, Sentence Structure, Synonyms, Antonyms, Comprehension of Passages.

**Basic computer Skills**

**Part–B : 60%**

General Science (such as Physics, Chemistry, Mathematics and Environment) - at 10<sup>th</sup> standard-level

**SKILL TEST: (Qualifying in nature)**

**Domain practical knowledge in the relevant area specific to the post related to the Department/ Section applied for from the Trade/ Branch relating to Instruments / Lab. Systems/ Practical/ Experimental/ Analytical/ Model/ Prototype Development etc.**

**MAIN WRITTEN TEST: (Objective and Subjective Type – 120 mins - 100 marks)**

Questions will be basically from Science subjects / Other trades of Engineering specific to the Departments/ Sections

**POST: Technician**

**SCREENING TEST (Objective Type - MCQs – 90 mins – 75 marks)**

**Part–A: 40 %**

**General Aptitude & Reasoning:** Analogies, similarities and differences, problem solving, relationship concepts, Order and ranking, Fundamental arithmetic operations, Profit and Loss, Number Systems

**General Knowledge:** General awareness and current affairs

**General English:** Error recognition, Fill in the blanks (using verbs, preposition, articles etc.), One word substitution, Vocabulary, Spellings, Grammar, Sentence Structure, Synonyms, Antonyms, Comprehension of Passages

**Basic computer Skills**

**Part–B : 60%**

General Science (such as Physics, Chemistry, Mathematics and Environment) - at 10th level

**SKILL TEST: (Qualifying in nature)**

**Domain practical knowledge in the relevant area specific to the post related to the Department/ Section applied for from the Trade/ Branch relating to Instruments / Lab. Systems/ Practical/ Experimental/ Analytical/ Model/ Prototype Development etc.**

**MAIN WRITTEN TEST: (Objective and Subjective Type – 120 mins - 100 marks)**

Questions will be basically from Science subjects / Other trades of Engineering specific to the Departments/ Sections



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**31.03.2023**

**Ref: Advt. No. NITT/R/RC/NT/2023/02**

**POST: SAS Assistant**

**SCREENING TEST (Objective Type - MCQs – 90 mins – 75 marks)**

**Part–A: 40 %**

**General Aptitude & Reasoning:** Analogies, similarities and differences, problem solving, analysis, judgment, decision making, visual memory, relationship concepts, verbal and figure classification, logical reasoning, Order and ranking, Puzzles, Decision Making, arithmetical number series, Decimals and Fractions, Fundamental arithmetic operations, Profit and Loss, Number Systems, non-verbal series

**General Knowledge:** General awareness and current affairs

**General English:** Error recognition, Fill in the blanks (using verbs, preposition, articles etc.), One word substitution, Improvement of Sentences, Vocabulary, Spellings, Grammar, Sentence Structure, Synonyms, Antonyms, Sentence Completion, Phrases and Idiomatic use of words, Comprehension of Passages

**Basic computer Skills**

**Part–B : 60%**

General topics in Physical Education and Event Management at undergraduate level.

**SKILL TEST: (Qualifying in nature – 45 mins)**

**Practical demonstrations related to Physical education and Event Managements domains at undergraduate level.**

**MAIN WRITTEN TEST: (Objective and Subjective Type – 120 mins - 100 marks)**

Topics related to Physical Education, Students event management, Sports Psychology, Sports Training and various principles, methods of training, Sports Injuries and their

management, Health Education, Rules, regulations, measurements and specification of various Sports and Games, Current Sports News.

**POST: LIS Assistant**

**SCREENING TEST (Objective Type - MCQs – 90 mins – 75 marks)**

**Part–A: 40 %**

**General Aptitude & Reasoning:** Analogies, similarities and differences, problem solving, analysis, judgment, decision making, visual memory, relationship concepts, verbal and figure classification, logical reasoning, Order and ranking, Puzzles, Decision Making, arithmetical number series, Decimals and Fractions, Fundamental arithmetic operations, Profit and Loss, Number Systems, non-verbal series

**General Knowledge:** General awareness and current affairs

**General English:** Error recognition, Fill in the blanks (using verbs, preposition, articles etc.), One word substitution, Improvement of Sentences, Vocabulary, Spellings, Grammar, Sentence Structure, Synonyms, Antonyms, Sentence Completion, Phrases and Idiomatic use of words, Comprehension of Passages

**Basic computer Skills**

**Part–B : 60%**

General topics in Library Information Science .

**SKILL TEST: (Qualifying in nature – 45 mins)**

**Practical demonstrations related to Library Science domain including e-resources, organisation of books, articles etc. at undergraduate level.**

**MAIN WRITTEN TEST: (Objective and Subjective Type – 120 mins - 100 marks)**

Library Organisation and Administration, Information Sources and Services, Library Cataloguing, E-resource management, Stock Management, Library Automation and Information Technology, Database Design and Management, knowhow on Plagiarism related software and Content Development.

**POST: Technical Assistant**

**SCREENING TEST (Objective Type - MCQs – 90 mins – 75 marks)**

**Part–A: 40 %**

**General Aptitude & Reasoning:** Analogies, similarities and differences, problem solving, analysis, judgment, decision making, visual memory, relationship concepts, verbal and figure classification, logical reasoning, Order and ranking, Puzzles, Decision Making, arithmetical number series, Decimals and Fractions, Fundamental arithmetic operations, Profit and Loss, Number Systems, non-verbal series

**General Knowledge:** General awareness and current affairs

**General English:** Error recognition, Fill in the blanks (using verbs, preposition, articles etc.), One word substitution, Improvement of Sentences, Vocabulary, Spellings, Grammar, Sentence Structure, Synonyms, Antonyms, Sentence Completion, Phrases and Idiomatic use of words, Comprehension of Passages

**Basic computer Skills**

**Part–B : 60%**

General Science (such as Physics, Chemistry, Mathematics) - at undergraduate level / Diploma level

**SKILL TEST: (Qualifying in nature – 45 mins)**

**Domain practical knowledge in the relevant area specific to the post related to the Department/ Section applied for from the Trade/ Branch relating to Instruments / Lab. Systems/ Practical/ Experimental/ Analytical/ Model/ Prototype Development etc. at Diploma or Undergraduate Level**

**MAIN WRITTEN TEST: (Objective and Subjective Type – 120 mins - 100 marks)**

General Science (such as Physics, Chemistry, Mathematics and Environment) & Basic Questions on different trades of Engineering & Technology/ Science/ Computer Applications specific to the Departments/ Sections