

GSECL Vidyut Sahayak Junior Assistant Syllabus

Vidyut Sahayak (Junior Assistant)

Sections	Name of the Topics	Marks	No. of Questions	Maximum Marks	Negative Marking
1	General Knowledge	10			
2	English Knowledge	20			
3	Maths & General Science	15			
4	Analytic & Logical Reasoning	15	100	100	1/4th Mark
5	Computer knowledge	20			
6	Gujarati Language	20			

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General Knowledge

- Indian Economy.
- Books and Authors.
- Science – Inventions & Discoveries.
- Sports.
- Abbreviations.
- Countries & Capitals
- Current Affairs – National & International.
- Awards and Honors.
- Budget and Five Year Plans.
- Indian History.
- Indian National Movement.
- Important Days.
- General Science.
- Science & Technology.
- General Policy.
- International & National Organizations.

English Knowledge

- Spelling Test
- Para Completion
- Joining Sentences
- Sentence Improvement
- Spotting Errors
- General English
- Synonyms
- Passage Completion
- Error Correction (Phrase in Bold)
- Fill in the blanks
- Antonyms
- Idioms and Phrases
- Error Correction (Underlined Part)
- Substitution
- Sentence Arrangement
- Transformation
- Prepositions
- Sentence
- Completion Active and Passive Voice

Maths

- Complex Numbers
- Definite Integrals
- Differentiation
- Indefinite Integrals Binomial Theorem
- Conic Sections
- Trigonometry
- Matrices
- Quadratic Equations
- Cartesian System of Rectangular Coordinates
- Straight Line
- Determinants
- Logarithms

General Science

- Laws of Motion
- Computer Science
- Atomic Nucleus / Solid and Semi-Conductor Device
- Physical World and Measurement
- Electromagnetic Waves
- Organic Chemistry
- Mechanics of Solids and Fluids
- Kinematics, Current Events
- Work, Energy, and Power

- Physiology and Human Diseases
- Optics
- Food
- Principles of Communication

Logical Reasoning

- Logical Venn Diagrams
- Directions
- Number, Ranking & Time Sequence
- Arithmetical Reasoning
- Mathematical Operations
- Venn diagrams
- Number Series
- Figural Pattern
- Cubes and Dice
- Number Ranking
- Figurative Classification
- Classification
- Blood Relations
- Arrangements
- Analogies
- Non-Verbal Series
- Coding-Decoding

Gujarat Language

- Plural Forms
- Fill in the Blanks
- Grammar
- Comprehension
- Error Detection
- Translation of Sentences
- Antonyms
- Synonyms
- Vocabulary
- Phrases/Muhavare

Computer Knowledge

- Database
- MS-Office application
- Windows Operating System
- Programming Languages
- Keyboard Shortcuts
- MS Word