

**NHSRCL Exam Pattern & Syllabus for the post of  
Senior Executive (Civil)  
advertised against vacancy notice no. 15/2020**

NHSRCL Exam Pattern is an important document according to the exam point of view. With the help of exam pattern, applicant can get an idea of question framing and design.

### **NHSRCL Exam Pattern**

This examination will be conducted on Computer Based Mode. The paper will consist of Multiple-Choice questions of Objective Type. In this paper, question will be asked from General Awareness, General Intelligence, Reasoning, Quantitative Aptitude, General English and Knowledge of Discipline.

- There will a total of 120 question.
- Each question will carry equal mark.
- There will be negative marking for every wrong answer.
- 1/4 Mark will be deducted for wrong answer.
- Duration of paper will be 01 Hours 30 Minutes.

### **Exam Pattern**

<b>Subject</b>	<b>Maximum Question</b>	<b>Maximum Marks</b>	<b>Duration of Paper</b>
General Awareness	15	15	01 Hour 30 Minutes
General English	15	15	
General Intelligence & Reasoning, Quantitative Aptitude	30	30	
Knowledge of Discipline	60	60	

## Syllabus for Senior Executive (Civil) Examination

### General Awareness

- Current Affairs (National and International)
- Major Financial / Economic News
- Budget and Functions of NITI Aayog.
- Sports
- Books and Authors
- Awards and Honours
- Science – Inventions and Discoveries
- Abbreviations & Important Days
- General Information about High-Speed Railways.

### General English

- Vocabulary & Grammar
- Antonyms & Synonyms and its correct usage.
- Basics of English Language.
- Sentence structure.
- Reading Comprehension

### General Intelligence, Reasoning & Quantitative Aptitude

- Spatial Visualization.
- Visual Memory.
- Discrimination.
- Non-verbal series.
- Analogies.
- Observation.
- Coding and Decoding
- Arithmetic Number Series.
- Arithmetical Reasoning.
- Similarities and Differences
- Figures Classification.
- Relationship concepts.
- Spatial Orientation.
- Number System
- HCF, LCM
- Simplification
- Decimal Fractions
- Ratio & proportions
- Unitary Method
- Percentage, Time & Distance

- Time & Work
- Profit & loss
- Average
- Simple & Compound Interest
- Mensuration
- Algebra
- Data Interpretation

### **Civil Engineering**

- Engineering Mathematics
- Theory of Structures
- Building Materials
- Estimating, Costing and Valuation
- Surveying
- Soil Mechanics
- Hydraulics
- Structural Engineering
- Water / Irrigation Engineering
- Transportation Engineering
- Environmental Engineering