

Haryana Staff Selection Commission (HSSC)



HSSC Junior Engineer Exam Pattern

- 75% weightage for **General Awareness, Reasoning, Maths, science, English, Hindi**, etc. (the word, etc. means and includes concerned relevant subject).
- 25 % weightage for **History, Current Affairs, Literature, Geography, Civics, Environment, Culture**, etc. of Haryana.

HSSC Junior Engineer Syllabus

General Abilities

Reasoning

- Directions.
- Visual Memory.
- Clocks & Calendars.
- Analogies.
- Cubes and Dice
- Coding-Decoding.
- Blood Relations.
- Problem Solving.
- Non-Verbal Series.
- Decision Making.
- Judgment.
- Alphabet Series.
- Embedded Figures
- Number Series.
- Mirror Images.
- Arithmetical Reasoning.
- Number Ranking.
- Syllogistic Reasoning.
- Arrangements

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Aptitude

- Time & work.
- Regular Polygons.
- Interest
- Square roots.
- Discount.
- Circle and its chords.
- Graphs of Linear Equations.
- Averages.
- Mixture and Allegation
- Trigonometric ratio.
- Quadrilaterals.
- Percentages.
- Ratio and Proportion.
- Profit & Loss.
- Standard Identities
- Time and distance.

English

- Unseen passage.
- Prepositions.
- Verbs.
- Pronouns.
- Active and Passive voice.
- Noun.
- Subject-verb Agreement.
- Articles.
- Direct & Indirect speech.
- Tenses.
- Types of sentences.
- Connectors.

Civil

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- Structural Engineering.
- Water Resources Engineering.
- Transportation Engineering.
- Environmental Engineering.
- Soil Mechanics and Foundation Engineering.
- Surveying.

Electrical

- Control Systems.
- Power Systems.
- Communication Engineering.
- Computer Control of Processes, Networks.
- Electrical Machines.
- Power Electronics and Drives.
- Digital Signal Processing.
- Electrical Circuits and Fields.
- Digital Electronics.

General Knowledge

- Inventions and Discoveries
- Sports
- General Science
- Current Affairs
- Famous Days & Dates
- Famous Books & Authors
- Indian Politics
- Tourism
- Rivers, Lakes, and Seas
- Famous Places in India
- Culture
- Indian History
- Indian Parliament
- Countries and Capitals

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- Artists
- Indian Economy

Literature

- Archetypes
- Censorship
- Coming of Age
- The Craft of Writing
- Gender & Sexuality
- Heroes, Heroines & The Protagonist
- Identity
- Ancient
- Classical
- Medieval
- Mythology
- The Protagonist
- Realism
- Sports
- Villains & The Antagonist

Geography & Environment

- Acid rain
- Air pollution
- Algae bloom
- Alternative fuels
- Beach erosion
- Biofouling
- Carbon footprint
- Climate forcing
- Compostable plastic
- Coral reefs
- Dismal Swamp
- Drought
- Dymaxion House

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- Earth-sheltered structures
- Ecotourism
- Fertilizers
- Green cities
- Green infrastructure
- Natural resource conservation
- <https://www.freshersnow.com/syllabus/>
- Nitrogen farming
- Oceans
- Oil Spills
- Organic farming
- Ozone depletion
- Pesticides
- Pollution reduction
- Radioactive waste
- Rip currents
- Soil contamination
- Sustainable design
- Three Gorges Dam
- Tiny houses
- Toxic dumping in oceans
- Tsunami
- Water conservation
- Water pollution