

# **JUNIOR ASSISTANT**

## *Syllabus for Written Test (Objective Type)*

### **I. General English:**

- Tenses
- Rearranging of Jumbled sentences
- Narration
- Models
- Articles
- Comprehension with blanks to be filled in with Phrases, Pronouns, Homonyms / homophones
- Clauses
- Synonyms and antonyms
- Pairs of words and their use in meaningful sentences
- Idioms and phrases
- Uses of Prepositions

### **II. General Knowledge and Current Affairs**

- Important dates in Indian History / Freedom struggle, different dates and events
- First in world (Adventure, Sports, Discoveries)
- First in India (Adventure, Sports, Discoveries)
- Popular names of Personalities (Religion, Politics, Scientific discoveries, Geographical, Sports, History)
- The Newspaper world - (Current Dailies & Weeklies of India)
- Books & Authors - General
- Languages
- Capitals & Currencies
- United Nations Organizations - Veto Powers
- No. of Countries as its Members
- Principal organs and their functions
- SAARC, ASEAN
- Everyday Science
- World famous Award - ( In Science, Literature & Sports)
- National Awards - ( In Science, Literature & Sports)
- The World of Sports. Climate & Crops in India
- Democratic institutions
- Forms of Government
- Political & Physical divisions of world & India
- Important rivers & Lakes in India
- Current Events of National and International Level
- Role of Mathematics in Economics
- Agriculture in economic development; Industrialization and economic development
- Indian Foreign Trade
- New economic reforms and growth of foreign trade
- Inflation - Concept and types; Causes and consequences

### **III. General Science**

- Various sources of Energy; Conventional sources of energy; improvement in technology for using conventional source of energy (Biomass and wind energy)
- Non-conventional sources of energy (Solar energy, Tidal energy)
- Mechanics, Rest, Motion, Velocities, Acceleration, Newton Laws of motion
- Voltage, Current, Resistance, Power, D.C. Batteries
- Waves, light as a wave, Sound waves, Transverse and longitudinal waves
- Structure of Atom
- Solids, Liquids and Gases (Basic)
- Life processes: Nutrition and its types, Respiration, Transportation of water, food and minerals in plants
- Vitamins- Diseases related to vitamin deficiency
- Environmental pollution
- Ecosystem - Its components, Food chains and Food webs
- Ozone layer, its depletion, Green House Effect
- Importance of water in life

### **IV. Mental Ability Test**

- Number series
- Letter series
- Coding decoding
- Direction sense
- Blood relations
- Mathematical reasoning
- Speed, Distance and Time
- Statements and conclusions
- Logical Reasoning
- Mental Reasoning