Syllabus for Objective-Type Written Test for the posts of Junior Assistant advertised vide Notification No. 01 of 2017 dated 17 July, 2017.

Paper – A: General

<table>
<thead>
<tr>
<th>Number of objective type questions</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of objective type questions in each Section</td>
<td>25</td>
</tr>
<tr>
<td>Correct Question</td>
<td>1 mark each</td>
</tr>
<tr>
<td>Time allowed</td>
<td>110 minutes</td>
</tr>
</tbody>
</table>

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 Nationals Organizations – Veto Powers ; Number 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

Paper – B: **Computer Test**

<table>
<thead>
<tr>
<th>Number of objective type questions</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of objective type questions in each Section</td>
<td>10</td>
</tr>
<tr>
<td>Correct Question</td>
<td>1 mark each</td>
</tr>
<tr>
<td>Time allowed</td>
<td>60 minutes</td>
</tr>
</tbody>
</table>

i. Computer Fundamentals.
ii. Operating System (Windows).
iii. MS Word.
iv. MS Excel.
v. MS Power Point, Email and Internet.