

**IMPORTANT INSTRUCTIONS:**

1. All students have to complete a certain number of assignments or projects in all subjects within the stipulated time in fulfillment of the requirement of their preparation for the Class- XII Board Examinations.
2. The project/assignments are part of the internal assessment; the marks awarded are forwarded to the council and is added with their final mark list.
3. All assignments are to be submitted according to the date mentioned in the list.  
Deduction of marks will be done for late submission. Marks are awarded for the Preparation, Presentation, Timely Submission and analysis of the Topic.
4. No leave of absence will be permitted for preparing project or assignment.

Subject	Topic	Date Of Submission
<b>Chemistry</b>	<p><b>Prepare an investigatory project (15 – 20 pages) on any one of the following topics</b></p> <p align="center"><b>Biomolecules</b></p> <p>I Amino acids – structure and classification</p> <p>Proteins – structure and their role in the growth of living beings.</p> <p>Nucleic acid: DNA and RNA – their structure importance in evolution and their characteristic features</p> <p>Carbohydrates : their classification and structure (glucose and fructose only)</p> <p>Vitamins , harmones and enzymes.</p> <p>II Polymers: natural polymers (any five): their structure, characteristics and uses</p> <p>Synthelic polymers (any five): their structure , characteristic and uses.</p> <p align="center"><b>Or</b></p> <p align="center"><b>Chemistry in everyday life</b></p> <p>A Chemicals in medicines: antiseptics, antibiotics, antacids and analgesics etc. definition and their uses.</p> <p>B Soaps and detergents: structure and classification, advantage of detergents over soaps. Classification of detergents in to anionic/ biodegradable, cationic / non biodegradable.</p> <p>C Chemical in Food: preservatives, artificial sweetening agents: role , examples (aspartame , saccharine , suralose and alitame)</p>	<b>02/07/2019</b>

<p><b>Physics</b></p>	<ol style="list-style-type: none"> <li>1. Elementary idea of analogue and digital signals, logic gates (OR, AND, NOT, NAND and NOR) combination of gates.</li> <li>2. Elements of communication system modes of propagation of electromagnetic waves through sky and space, satellite communication. Modulation and De modulation. Elementary idea about internet mobile network and GPS.</li> </ol> <p><b>Write any one from the above given topic</b></p> <ol style="list-style-type: none"> <li>i). Title of project</li> <li>ii). Introduction</li> <li>iii). Contents</li> <li>iv). Material aid (graph, data, charts, histogram, diagram)</li> <li>v). conclusion</li> </ol>	<p><b>09-07-2019</b></p>
<p><b>Biology</b></p>	<p><b>Topic:</b></p> <p><b>Ecosystem</b></p> <ul style="list-style-type: none"> <li>➤ Definition and types of ecosystem</li> <li>➤ Structure of ecosystem, structural and functional</li> <li>➤ Composition &amp; structure, function of Pond ecosystem</li> <li>➤ Productivity : - a) Gross primary productivity b) Net primary productivity</li> <li>➤ Decomposition</li> <li>➤ Food chain : various types of food chain</li> <li>➤ Food web , Tropic levels.</li> <li>➤ Ecological pyramid – energy , Number , biomass</li> <li>➤ Nutrient cycle – carbon and phosphorus</li> <li>➤ Succession (in detail) – Primary succession Secondary succession</li> <li>➤ Different types of succession – Hydrarch , Xerarch</li> </ul>	<p><b>18-06-2019</b></p>