

## **Supplementary Exam**

**Class- B.Sc. (BT) I<sup>st</sup>Year**

**Subject-Chemistry**

### **Paper I<sup>st</sup> - Physical Chemistry (P-I)**

1. Explain Arrhenius Equation, Activation energy & Transition State Theory.
2. Lechatelier's Principles.

### **Paper II<sup>nd</sup> - Inorganic Chemistry (P-II)**

1. VSEPR Theory.
2. MO Theory & F<sub>2</sub>MOT Diagram.

### **Paper III<sup>rd</sup> - Organic Chemistry (P-III)**

1. Preparation method of Alkene. (Any 5)
2. Preparation method of Alkane. (Any 5)

### **Practical Topic:- For Practical Examination of Chemistry.**

1. Find M.P. & B.P. of given Substance.
2. Find percentage component of Water and Ethyl Alcohol.

## **Subject-Botany**

### **Paper I<sup>st</sup> - Diversity of Lower plants. (Botany) (P-IV)**

1. T.M.V. Virus Structure.
2. Phases of Pucciniagramenis on Triticumaestivam.

### **Paper II<sup>nd</sup> - Diversity of Higher plants. (Botany)(P-V)**

1. Structure of Pinus ovules.
2. Stealer organization in Pteridophytes plants.

### **Practical Topic:- For Practical Examinationof Botany.**

1. Globule structure of Chara.
2. Phases of Pucciniagramines.

## **Subject-Biotechnology**

### **Paper I<sup>st</sup> - Cell Structure & Biology. (P-VI)**

1. Eukaryotic Cell.
2. Cell Division.

### **Paper II<sup>nd</sup> - Microbiology. (P-VII)**

1. Bacteria.
2. Fermentation.

### **Practical Topic:- For Practical Examination of Biotechnology.**

1. Hot Air Oven.
2. Autoclave.

Name of Exam.: B.Sc. (BT) / B.Com. (CA) I Year Supplementary Exam  
Subject: आधार पाठ्यक्रम  
Paper: I - हिंदी भाषा  
असाइनमेंट का शीर्षक

भावना राष्ट्रीय में कविता 'अभिलाषा की पुष्प'  
अथवा  
उद्देश्य और कथावस्तु की कहानी 'रात की पूस'

Name of Exam.: B.Sc. (BT) / B.Com. (CA) I Year Supplementary Exam.  
Subject: Foundation Course  
Paper: II - English Language  
Assignment Topics

R. N. Tagore as a Poet  
Or  
William Wordsworth as a Nature Poet

Name of Exam.: B.Sc. (BT) / B.Com. (CA) I Year Supplementary Exam.  
Subject: Foundation Course  
Paper: III - Entrepreneurship  
Assignment Topics

उद्यमिता का महत्व तथा मत  
Importance and thoughts of Entrepreneurship  
अथवा / Or  
उद्यमी की समस्याएं  
Problems of Entrepreneur