**ACADEMIC PLANNER & UNITIZATION OF SYLLABUS**

**Department of Chemistry**

**Bankura Christian College**

**ACADEMIC YEAR: 2023-24 (Semester 2nd /4th /6th)**

**2nd Semester (GE) Theory (January,2023 to June, 2023)**

**Name of faculty member: Dr. Bibekananda Mahanti**

**Subject: Chemistry**

GE T2 – States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements

**Unit – 1.**

2. Comparative study of p-block elements

a. Group trends in electronic configuration, modification of pure elements, common oxidation states, inert pair effect, and their important compounds in respect of the following groups of elements:

i. B-Al-Ga-In-Tl

iii. N-P-As-Sb-Bi

ivv

**Unit – 2**

N-P-As-Sb-Bi

C-Si-Ge-Sn-Pb

**Unit – 3**

.O-S-Se-Te

**Unit – 4.**

F-Cl-Br-I

| MONTH/YEAR | WEEK | PORTIONS |
|---|---|---|
| March 2023 | 2nd | Comparative study of p-block elements:<br>Group trends in electronic configuration, modification of pure elements, common oxidation<br>states: B-Al-Ga-In-Tl |
| | 3rd | Comparative study of p-block elements:<br>Group trends in inert pair effect, and their important compounds in respect of the following groups of elements:<br>i. B-Al-Ga-In-Tl |
| | 4th | Comparative study of p-block elements:<br>Group trends in electronic configuration, modification of pure elements, common oxidation<br>States: C-Si-Ge-Sn-Pb |
| | 5th | Class Test-1/ Revision of Unt-1 |
| April 2023 | 1st | Comparative study of p-block elements:<br>Group trends in inert pair effect, and their important compounds in respect of the following groups of elements: C-Si-Ge-Sn-Pb |
| | 2nd | Comparative study of p-block elements:<br>Group trends in electronic configuration, modification of pure elements, common oxidation<br>states N-P-As-Sb-Bi |
| | 3rd | .Comparative study of p-block elements:<br>Group trends in inert pair effect, and their important compounds in respect of the following groups of elements:<br>N-P-As-Sb-Bi |
| | 4th | Class Test-2 |
| May 2023 | 1st | .Comparative study of p-block elements:<br>Group trends in electronic configuration, modification of pure elements, common oxidation<br>states O-S-Se-Te |
| | 2nd | . Comparative study of p-block elements:<br>Group trends in inert pair effect, and their important compounds in respect of the following groups of elements:<br>O-S-Se-Te |
| | 3rd | Comparative study of p-block elements:<br>Group trends in inert pair effect, and their important compounds in respect of the following groups of |

| | | |
|---|---|---|
| | | elements:<br>O-S-Se-Te |
| | 4th | Revision of Unt-3 |
| June 2023 | 1st | Comparative study of p-block elements:<br>Group trends in electronic configuration, modification of pure elements, common oxidation<br>States:F-Cl-Br-I |
| | 2nd | Comparative study of p-block elements:<br>Group trends in inert pair effect, and their important compounds in respect of the following groups of elements:<br>F-Cl-Br-I |
| | 3rd | Comparative study of p-block elements:<br>Group trends in inert pair effect, and their important compounds in respect of the following groups of elements:<br>F-Cl-Br-I |