

**St. Francis Xavier's College**  
**2023/24**  
**Physics**  
**Course Outline**

**Level: F.6**

| Topic                            | Chapter                                |
|----------------------------------|--|
| Electricity and Magnetism        | Electromagnetism                       |
|                                  | Electromagnetic Induction              |
|                                  | Transmission of Electricity            |
| Radioactivity and Nuclear Energy | Radiation and Radioactivity            |
|                                  | Atomic Structure and Radioactive Decay |
|                                  | Nuclear Energy                         |
| Atomic World                     | Rutherford's atomic model              |
|                                  | Bohr's atomic model of hydrogen        |
|                                  | Photoelectric effect                   |
|                                  | Wave-Particle duality                  |
|                                  | Probing into nano scale                |
| Revision                         |  |

Modes of Assessment and weighting:

|         |     |                   |
|---------|-----|-------------------|
| Modes   | SBA | Final Examination |
| Weights | 20% | 80%               |