

**Department of Physics**

**E-content (B.Sc. III)**

**Subject: Condensed Matter Physics**

**Teacher Name: Dr. Pallavi Gupta**

**Lectures:**

1. Lecture on "Liquid Crystal

<https://drive.google.com/file/d/1kvRJ6BhHypToN6vcvUgoOHTqygOW2v5i/view?usp=sharing>

2. Free electron theory

[https://drive.google.com/file/d/1TjPe98CIRcF4T7jgNZvW\\_DfChJtSIQ4V/view?usp=share\\_link](https://drive.google.com/file/d/1TjPe98CIRcF4T7jgNZvW_DfChJtSIQ4V/view?usp=share_link)

3. Lecture on "Crystal Structure, Lattice, Basis and symmetries"

[https://drive.google.com/file/d/1MDgUUrMdUnMKavpJKYrjEdq\\_rK9RtPxY/view?usp=sharing](https://drive.google.com/file/d/1MDgUUrMdUnMKavpJKYrjEdq_rK9RtPxY/view?usp=sharing)

2. Lecture on "Properties of Simple Cubic structure"

<https://drive.google.com/file/d/1ojn6K8ba1NukPuumevr4JZzhcbmXPtwu/view?usp=sharing>

3. Lecture on "Basic concepts of Body Centered Crystals"

<https://drive.google.com/file/d/14RB566nP0fWR47-0HpWbF3g103wfVrg5/view?usp=sharing>

4. Lecture on "Face Centered Structure"

[https://drive.google.com/file/d/129iYBL-AGMIs\\_LGsroZgpaHqkMjQx7U/view?usp=sharing](https://drive.google.com/file/d/129iYBL-AGMIs_LGsroZgpaHqkMjQx7U/view?usp=sharing)

5. Lecture on "Diamond Crystal and Zinc Blende Structure"

<https://drive.google.com/file/d/11rxjy6jZQ5VdJiRoZZnoI2aLrVqtsmb4/view?usp=sharing>

**Practise Questions:**

Short Answer Questions

<https://drive.google.com/file/d/14fbctZcCcQ8eAmHBuj1Rss-T9DLiHxbP/view>

Long Answer questions

[https://drive.google.com/file/d/1j\\_4fLS61cEGvT3xj3DEVG89M39K9uuWO/view](https://drive.google.com/file/d/1j_4fLS61cEGvT3xj3DEVG89M39K9uuWO/view)

Multiple choice questions

<https://docs.google.com/forms/d/1ELQTXaaZBYPpohBwZQzYXsTASuKaYbiwwdk5PUFMP4/edit?usp=sharing>