



PHYSICS

BOOKS - NAVBODH PHYSICS (HINGLISH)

INSTRUMENTS : CONSTRUCTION AND WORKING

Electrostatics

1. Van de Graff generator is used to produce high energetic charged particles of energy of about



[Watch Video Solution](#)

2. State the principle of working of a cyclotron.
Describe the construction with a neat labelled diagram.



[Watch Video Solution](#)

Electrons And Photons

1. PHOTOELECTRIC CELL



[Watch Video Solution](#)

Semiconductors

1. Draw a circuit diagram of a full-wave rectifier.

Explain its working principle. Draw the

input/output wave forms indicating clearly the

function of the two diode used.



[Watch Video Solution](#)

2. ZENER DIODE AS VOLTAGE REGULATOR



[Watch Video Solution](#)

3. With a neat labelled diagram, explain the working of a solar cell. Give its output characteristics.



[View Text Solution](#)

4. With a neat labelled energy band diagram, explain the working of an LED.



[View Text Solution](#)

5. With the help of a labelled circuit diagram, explain how an n-p-n transistor can be used as an amplifier in common-emitter configuration. Explain how the input and output voltages are out of phase by 180° for a common-emitter transistor amplifier.



[Watch Video Solution](#)

6. Explain the working of a transistor as a switch.



Watch Video Solution