Quadrant IV– Assessment (Module –wise)

Programme: Bachelor of Science (Third Year)

Subject: Physics

Paper Code: PYD103

Paper Title: Solid State Physics

Unit: 1- Crystal Structure

Module Name: Diffraction of X-rays by Crystals – II

Module No: 12

Name of the Presenter: Dr. Manjunath T. Nayak, Assistant Professor of Physics.
DCT's Dhempe College of Art's & Science, Miramar, Goa.

MCQ

Completion type (fill-in-the-blanks)

Short Answer – I (short notes - say 20 to 50 words)

Short Answer – II (extended – say 50 to 100 words)

1 – What are the methods for crystal structure determination for X-ray diffraction? Discuss in brief.
2 – Draw neat labelled schematic diagram and explain Laue Method or Powder method of X-ray diffraction.
3 – Draw neat labelled schematic diagram and explain Bragg's X-ray spectrometer.
4 – State uses of Laue, Rotating Crystal and Powder Methods.

Matching type

Numerical/Problems to Solve

Self-reflection

Create something new (higher order cognition)