COURSE OBJECTIVES AND COURSE OUTCOMES
S. Y. B. Sc. SEMESTER - III
PHYSICS PAPER - III
SUBJECT: APPLIED PHYSICS (USPH303)

Sr. No.	Course Objectives	Course Outcomes
1)	Understand Acoustic defects in Buildings and methods to minimise them	Learn about Acoustic defects in Buildings and methods to minimise them
2)	Understand the principle of Laser, and its applications	Understand the principle of Laser and its applications
3)	Understand light propagation through optical fibre and application of fibres	Learn light propagation through optical fibre and application of optical fibres
4)	Understand the basics of crystallography	Learn basics of crystallography such as Bravais lattices, crystal systems, Miller indices and reciprocal lattice
5)	Understand properties of materials	Understand phenomena behind Electrical, Optical and Magnetic properties of materials
6)	Understand applications of various materials	Relate to applications of various materials in industry

COURSE OBJECTIVES AND COURSE OUTCOMES
F. Y. B. Sc. SEMESTER - IV
PHYSICS PAPER - III
SUBJECT: APPLIED PHYSICS (USPH403)

Sr. No.	Course Objectives	Course Outcomes
1)	Understand basic concepts Geophysics	Learn about solar system, various methods to determine age of Earth, tectonic features of Earth and Geomagnetism
2)	Understand Seismic belts of Earth, geodynamics of Indian plate and geophysical techniques	Understand Seismic belts of Earth, geodynamics of Indian plate and geophysical techniques
3)	Introduce students to 8085 Microprocessor and its working	Obtain basic knowledge about 8085 Microprocessor and its working
4)	Introduce students to instructions, addressing modes and data transfer operations of 8085	Learn instructions, addressing modes and data transfer operations of 8085. Write simple programs in Assembly language
5)	Understand basic concepts of communication	Learn basic concepts of communication
6)	Understand various types of modulation	Understand Amplitude modulation, Frequency modulation and concepts of digital transmission. Solve problems to enhance understanding