

# **INTRODUCTION TO GEOPHYSICS**

COORDINATOR: FAHEEMA S

DURATION: 3 MONTHS

YEAR: 2018-2019

ELIGIBILITY: PLUS TWO

## **MODULE 1: (10 HOURS)**

**Earth and planetary systems, earth as a planet, different motions of earth, gravity field, size, shape of earth, geomagnetic field, variation of density, velocity, pressure, temperature, electrical and magnetic properties of earth.**

## **MODULE 2: (10 HOURS)**

**Earthquake causes and measurements, magnitude and density, earthquake quantification, source characteristics, elements of earth's magnetic field.**

## **MODULE 3: (10 HOURS)**

**Digital seismographs, absolute and relative gravity measurements, conduction of electricity through rocks.**