

## **ENGINEERING PHYSICS - II**

- CO 1:-** Realize the importance of behavior of a particle quantum mechanically.
- CO 2:-** Learn concentration estimation of charge carriers in semi conductors.
- CO 3:-** Learn various magnetic dielectric properties and apply them in engineering applications.
- CO 4:-** Know the basic principles and applications of super conductors.

## **MATHEMATICS – II**

- CO 1:-** use Laplace transform techniques for solving DE's
- CO 2:-** Evaluate integrals using Beta and Gamma functions
- CO 3:-** evaluate the multiple integrals and can apply these concepts to find areas, volumes, moment of inertia etc of regions on a plane or in space
- CO 4:-** evaluate the line, surface and volume integrals and converting them from one to another

### **Mathematics – III**

- CO 1:-** differentiate among random variables involved in the probability models which are useful for all branches of engineering
- CO 2:-** calculate mean, proportions and variances of sampling distributions and to make important decisions for few samples which are taken from a large data
- CO 3:-** solve the tests of ANOVA for classified data
- CO 4:-** find the root of a given equation and solution of a system of equations
- CO 5:-** fit a curve for a given data
- CO 6:-** find the numerical solutions for a given first order initial value problem

### **COMPUTER PROGRAMMING IN C**

- CO 1:-** Demonstrate the basic knowledge of computer hardware and software.
- CO 2:-** Ability to write algorithms for solving problems.
- CO 3:-** Ability to draw flowcharts for solving problems.

**CO 4:-** Ability to code a given logic in C programming language.

**CO 5:-** Gain knowledge in using C language for solving problems.

### **ENGINEERING GRAPHICS**

**CO 1:-** Ability to prepare working drawings to communicate the ideas and information.

**CO 2:-** Ability to read, understand and interpret engineering drawings.