

## **PHY-604 (RM): Research Methodology**

### **UNIT –I**

What is research?, Science and research, Basic and applied research, Essential steps in Research.

### **UNIT –II Literature collection**

Need for review of literature, Review process, Research reading, Reference cards, Literature citation, Different systems.

### **UNIT-III Components of research report/Thesis**

Field work and laboratory work, photography, Preparation of tables, Preparation of figures.

### **UNIT IV Research report/Thesis –formatting and typing (computing)**

Title page, certificate, declaration, acknowledgement, list of table, figures, abbreviations and symbols, chapter quotations, table, figures, summary, appendices, references etc.

### **References:**

1. Research Methodology with statistical package for social sciences by Dr. A. Safeevan Rao & Dr. Dipak Tyagi, Shree Nivas Pub. -Jaypur
2. Research Methodology by G.R Basotia and K.K. Sharma, Mangal Deep Pub., Jaypur
3. Research Methodology Modern methods and New techniques by M.N. Borse, Shree Nivas Pub. -Jaypur
4. Research Methodology Modern methods and techniques by Anil Tandon, Anmol Pub. - New Delhi