

# **MATS University Raipur (C.G.)**

## **Pre- Ph.D. Examination**

### **Research methodology Syllabus (Common to all subjects)**

#### **Unit 1**

Definition of Research: Nature and importance of Research, Aims and Objectives of Research, Selection of area of research, Design of experimental research program.

#### **Unit 2**

Applications and types of research, Research process and steps in it, Deductive and inductive reasoning.

#### **Unit 3**

Literature : Need, Procedure- Search for existing literature, Review the literature selected, Develop a theoretical and conceptual framework, writing up the review, Selection of literature, collection of literature, Manual collection from Library, usage of E-library, collection of literature from web.

#### **Unit 4**

Research Procedure: selection of topic, Types of source materials- collection of materials- methods of preparing notes. Determining the type of data to be collected- collection, analysis and processing of the data to be collected- outline of thesis.

#### **Unit 5**

Fundamentals of computers (MS Office), role of computer in research.

#### **References:**

1. Kothari, C.R; Research Methodology, Methods and techniques; New Age International (p) Ltd., Publishers, New Delhi.
2. Donald H.McBurney, Research Methods, Thomson Asia Pvt. Ltd. Singapore, 2002.
3. Ranjit Kumar, Research Methodology, Sage Publications, London, New Delhi, 1999.
4. Donald R. Cooper and Ramela S. Schindler, Business Research Methods, Tata McGraw- Hill Publishing Company Limited, New Delhi, 2000