

RESEARCH METHODOLOGY: PAPER-I

(COMMON TO ALL CANDIDATES)

1. RESEARCH METHODOLOGY: AN INTRODUCTION

Meaning of Research, Objectives of Research, Motivation in Research, Types of Research, Research Approaches, Significance of Research, Research Methods Versus Methodology, Research and Scientific Method, Importance of Knowing How Research is Done, Research Process, Criteria of Good Research, Problems Encountered by Researchers in India

2. DEFINING THE RESEARCH PROBLEM

What is a Research Problem? Selecting The Problem, Necessity of Defining the Problem, Technique Involved in Defining a Problem

3. RESEARCH DESIGN

Meaning of Research Design, Need for Research Design, Features of a Good Design, Important Concepts Relating to Research Design, Different Research Designs, Basic Principles of Experimental Designs

4. PUBLICATIONS, PLAGIARISM, INTELLECTUAL PROPERTY RIGHTS

Quality of research work and papers –indexing, impact factor, H Index, citation index Meaning and principles of plagiarism, methods of plagiarism check, plagiarism checking software, Principles of intellectual property rights, patents, copyrights, trademarks and their importance.

5. INTERPRETATION AND REPORT WRITING

Meaning of Interpretation, Why Interpretation? Technique of Interpretation, Precautions in Interpretation, Significance of Report Writing, Different Steps in Writing Report, Layout of the Research Report, Types of Reports, Oral Presentation, Mechanics of Writing a Research Report, Precautions for Writing Research Reports

REFERENCE BOOK:

Research Methodology-Methods and Techniques, Kothari CR, New Age International, 2 nd ed. / 2004