

**SARDAR PATEL UNIVERSITY**  
**Programme: M.Sc (Home Science)**  
**Subject: General**  
**Semester: III**  
**Syllabus with Effect from: June - 2013**

<b>Paper Code: PH03CHSC01</b>	<b>Total Credit: 4</b>
<b>Title Of Paper: Research Methodology &amp; Scientific Writing</b>	

Unit	Description in detail	Weightage (%)
I	<p><b>Research Methodology</b>  Introduction, Meaning of Research, Definition, Characteristics &amp; Function, Objectives, Classification &amp; Kinds of Research.</p> <p><b>Research Problem</b>  Introduction, Selecting the Problem, Defining the Problem, Sources of Problem, Criteria for Selection of the Problem, Delimiting a Problem, Assumptions about a Problem, Evaluating the Problem.</p>	
II	<p><b>Foundation of Hypothesis</b>  Meaning, Definitions, Assumption, Postulate &amp; Hypothesis, Nature of Hypothesis Functions, Importance, Kinds, Characteristics of a Good Hypothesis, Variables in a Hypothesis, Sources of Hypothesis, Testing of Hypothesis.</p> <p><b>Research Plan / Design &amp; Sampling</b>  Meaning &amp; Definition of Plan/Design, Design Format. Meaning &amp; Definition of Sampling, Functions of Population &amp; Sampling, Types of Sampling Designs, Characteristics of a Good Sample, and Application of Sampling Technique in Various Types of Researches.</p>	
III	<p><b>Types of Researches.</b>  Survey, Historical, Philosophical, Experimental, Case Study, Genetic.</p> <p><b>Design of Experiments.</b>  Need &amp; Purpose, Importance, Characteristics of Good Experimental Design, Basic Principles, Types of Basic Experimental Design.</p>	
IV	<p><b>Tools of Research</b>  Questionnaire, Schedule, Rating, Scale, Tests.</p> <p><b>Collection of Data</b>  Need, Meaning, Nature, Constants, Variables, Variate, Characteristics of Quantitative Data, Types of Data. Data Collection, Organization of Data.</p>	
V	<p><b>Research Report &amp; Proposal Writing</b>  Need of Research Report, Format of Research Report (Preliminary Section, Main Section &amp; Reference Section), Mechanics of Report Writing.  Writing Research Abstract  Writing Research Paper  Need of Research Proposal for Dissertation of Ph.D..to Get Funds from Various Sources.</p>	

