

**Ph.D. Entrance Test  
2018-19**

**Section A**

**Syllabus of  
Research Methodology  
(50 Marks)**

<b>Topic</b>	<b>Sub-topics</b>	<b>Weightage</b>
Basic Concept of research	Rationale of research Research Problem Research Objectives  Types of Research Fundamental, Applied, Action Quantitative/Qualitative	5
Literature Survey/ Review	Primary Sources Secondary Sources Searching e-resources: Using search engines, searching databases Authenticity of e-resources  Writing Literature Review	5
Research Problem	Identification of research problem Defining research problem	5
Research Methodology (Please keep/add/edit relevant in your field)	Types of research methods:  Survey method Experimental method (variables, designs) Historical method Content Analysis  Hypotheses: Meaning Types of Hypotheses Formulation of Hypothesis	10

Sampling (Please keep/add/edit relevant in your field)	Concepts of population, sample Sampling Techniques Probability Sampling techniques Non-Probability Sampling techniques	5
Data Collection methods, tools and techniques (Please keep/add/edit relevant in your field)	(Please add tools and techniques relevant in your field) Primary Data Collection Secondary Data Collection  e.g. Questionnaire, interview schedule, focus groups etc.)	5
Data analysis techniques (Please keep/add/edit relevant in your field)	(Please add and elaborate tools and techniques relevant in your field) e.g. statistical analysis techniques, qualitative analysis techniques, etc.	5
Report Writing/ Documentation	Title, Subtitle, Formatting etc. Citation References Bibliography	5
Research ethics	Ethics in conducting research Copyright, Plagiarism Originality of research work	5