

**Ph.D. LIFE SCIENCES
(PHDLS)**

Term-End Examination

December, 2017

00201

RLS-101 : RESEARCH METHODOLOGY

Time : 3 hours

Maximum Marks : 100

*Note : Answer any **five** questions from questions no. 1 to 8. All questions carry equal marks.*

1. What is a Research Process ? Explain the research process with the help of a flow chart. *5+15=20*

2. What is a Hypothesis ? Discuss in detail, the basic concepts in the context of testing of hypothesis. *8+12=20*

3. What is Bioethics ? Explain ten points of the Nuremberg code and its importance. *5+15=20*

4. Define and differentiate between Research methods and Methodology. Explain Scientific Methods in research, in detail. *10+10=20*

5. Enumerate the key questions that the 'introduction' of a scientific publication should address. Explain and discuss Swales' CARS model. 20
6. What is Annotated Bibliography ? What is the process of writing annotated bibliography ? List the questions that should be answered by an annotated bibliography. 5+10+5=20
7. Explain the importance of research in medical and agricultural sectors. How does it help the government to form policies ? 20
8. Differentiate between any **two** of the following with suitable examples : 2×10=20
- (a) Qualitative and Quantitative Research
 - (b) Basic and Applied Research
 - (c) Descriptive and Analytical Research
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