No. of Printed Pages : 3

RLS-101

Ph.D. IN LIFE SCIENCES (PHDLS)

Term-End Examination

00162

December, 2018

RLS-101 : RESEARCH METHODOLOGY

Time : 3 hours

Maximum Marks : 100

Note: Attempt any five questions from questions no. 1 to 8. All questions carry equal marks. Give examples wherever necessary to support your answer.

1.	(a)	Define the terms "Research" and "Research	
		Methodology". Discuss the different	
		research approaches.	10
	(b)	With the help of a flow chart describe how	
		you build up the research process.	10
2.	(a)	Explain the importance of bioethics in the	
		field of Life Sciences research.	10
	(b)	What is Nuremberg code? Enumerate ten	
		points of Nuremberg code.	10

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P.T.O.

- 3. (a) Discuss the structure and significance of scientific abstract. 10
 (b) Describe the criteria of a good research. 10
 4. What is the need of hypothesis in research? How to the do you develop a hypothesis? 20
 5. (a) What do you mean by research? How does
 - research help in the development of a nation? 10
 - (b) Discuss different methods and techniques employed in laboratory and field research . 10
- 6. (a) Write the importance of literature review in preparation of any scientific document. Describe two important steps in writing an effective literature review. 10
 - (b) Explain the significance of 'discussion' of a scientific paper/thesis. What are the elements to be included and avoided in a discussion?

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- 7. (a) What is annotated bibliography ? How is it different from bibliography ? 10
 - (b) What is the Swales' model of Rhetorical Moves in research articles ? 10
- 8. Differentiate between any *two* of the following pairs : 2×10=20
 - (a) Research Methods and Research Techniques
 - (b) Qualitative and Quantitative Research
 - (c) Applied and Basic Research

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