No. of Printed Pages: 02

RCH-001

M.PHIL / Ph.D. IN CHEMISTRY (M.Phil. Chem./Ph.D. Chem.) Term-End Examination December, 2019

RCH-001: RESEARCH METHODOLOGY

Time: 3 Hours Maximum Marks: 100

Note: Answer all questions.

- Discuss the importance of research methodology in a research study.
- 2. Define research and write the objectives of carrying out a research work.
- 3. (a) Discuss the need for writing an abstract for publication in a journal.
 - (b) How is a formula entered in an EXCEL sheet? Explain with the help of an example.

literature review in a thesis?

(b)

4. (a) What is the significance of writing the

How is the literature survey conducted for

5

(B-42)

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	chemistry research?	5
5.	ICT has influenced the availability of libra	ıry
	resources". Discuss.	10
6.	Compare the features of traditional classroom	om
	teaching with that of online teaching.	10
7.	Elaborate upon the criteria for the selection o	f a
	good research problem	10
8.	What is meant by incompatibility of chemical	s ?
	How is it significant in the storage of different	nt
	chemicals in a chemistry laboratory? Write t	he
	incompatible chemicals for hydrocarbon	ns,
	potassium permanganate and acetone.	10
9.	Describe in brief all the types of hypotheses.	10
10	.Discuss 'misconduct' with reference to ethic	cal
	principles in chemistry research.	10
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