Ph.D. (CHEMISTRY) / M.Phil. (CHEMISTRY) (PHDCHEM / MPHILCHEM)

Term-End Examination

December, 2022

RCH-001: RESEARCH METHODOLOGY				
Time: 3 hours		Maximum Marks : 100		
Note: Answer all the questions given.				
1.	What is the difference between and research methodology? help of examples.		10	
2.	Name any two funding agencie India and describe their role.	es in Chemistry in	10	
3.	How is a research paper with importance of abstract in a research		10	
4.	How is ICT helpful in per experiments? Explain giving e	-	10	
5.	Differentiate between tradit classroom. Illustrate your answ		10	

6.	Why is it important to have a well-formulated research question? Elaborate and illustrate with	
	examples in chemical research.	10
7.	What is a research design? How is it different	
	from a research problem? Explain with the help	
	of examples.	10
0	Empleio the term benefit in more	
8.	Explain the term hypothesis in research.	
	Describe the steps of hypothesis testing.	10
9.	Enumerate the major categories of scientific	
	misconduct in research.	10
10	Write a short note on any one of the	
10.	·	10
	following:	10
	(a) Risk Assessment in a Chemistry Lab	
	(b) Fire Protection in Laboratory	