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RCH-001

0233

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

Term-End Examination December, 2018

RCH-001: RESEARCH METHODOLOGY

Time		ours Maximum Marks	Maximum Marks : 100			
Note	Note : Answer all the questions given below.					
1.	rese	tinguish between research methods and arch methodology with the help of suitable mples.	10			
2.	(a)	What is the purpose of research? Explain in brief.	5			
	(b)	What are the points that should not be included in the abstract for a research publication?	5			
3. (a	(a)	Write the salient features of EXCEL.	5			
	(b)	Briefly discuss the main sections of a research paper in chemistry.	5			
4.	(a)	Write the main points to be considered while doing literature survey for chemistry research.	5			
	(b)	What is a hypothesis? Write the characteristics of a good hypothesis.	5			

Write the full form of OER and give their 5 5. (a) benefits. Name any three publishing houses for 5 (b) chemistry books and any two publishers for chemistry research journals. 10 What is meant by 'delimiting a research 6. problem'? Elaborate on the various aspects related to delimiting. 5 State the questions that should be raised in 7. (a) order to ascertain the feasibility of the problem. 5 Write a short note on 'Compressed gas (b) hazards in a chemistry laboratory'. Describe the breach of ethical principles with 8. 10 respect to plagiarism. Give the special features of online teaching-9. 10 learning. Expand the acronym RAMP and describe the basis 10

10.

of each term.