Sanjay Ghodawat University, Kolhapur

2020-21

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

EXM/P/09/00

Year and Program: 20-21 M.Sc.	**School of Science**	**Department: M.Sc. Che.**
Course Code: REM 501	**Course Title: Research Methodology-I**	**Semester : I**
Day and Date:Tuesday,11.5.21	**End Semester Examination**	**Time:2 Hrs.** **Max Marks:50**

Instructions: 1) All Questions are compulsory.

		Marks	Bloom's Level	CO
Q.1	**Answer the following questions.**			
a)	Take a review of research in India and comment on the problems encountered by researchers in India.	8	L2	1
b)	You are going to conduct research in your chosen area. You have to conduct a review of literature. Mention the name of any research topic on which you want do research and identify the sources for review of literature.	8	L2	1
	OR			
c)	Illustrate the process of research with suitable example.	8	L2	1
Q.2	**Answer the following questions.**			
a)	Explain in detail, the techniques of defining the research problem.	8	L2	2
b)	Define Citation, Citation Index and illustrate major citation indexing services.	8	L1	3
	OR			
c)	What do you mean by Impact factor? Write the formula to calculate impact factor and give one example with explanation.	8	L2	3
Q.3	**Answerthe followingquestions.**			
a)	A research journal has published 340 research papers in the year 2017, 281 papers in the year 2018, and research papers from this journal were cited 160 times in the year 2017 and 64 times in the year 2018. Calculate impact factor of this journal for the year 2019. (Write stepwise answer)	9	L4	3
b)	"Research is a scientific process" Justify.	9	L3	3
	OR			
c)	Explain in detail objectives and types of research.	9	L2	3

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