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: Physics**
Course Code: REM 501	**Course Title: Research Methodology-I**	**Semester : I**
Day and Date: Monday, 24.05.2021	**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)	Comment on the research in India and take a review of research in Physics.	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)	Give one example of ideal research title and explain in detail the techniques of formulating research problem.	8	L2	2
b)	Define Citation, Citation Index and illustrate major citation indexing services.	8	L1	3
	OR			
c)	Illustrate with suitable examples the techniques of identifying good research journals and good researchers.	8	L2	3
Q.3	**Answerthe followingquestions.**			
a)	A research journal has published 540 research papers in the year 2017, 581 papers in the year 2018, and research papers from this journal were cited 260 times in the year 2017 and 24 times in the year 2018. Calculate impact factor of this journal for the year 2019. (Write stepwise answer)	9	L4	3
b)	Explain in detail Research Ethics.	9	L3	3
	OR			
c)	Differentiate between research methods and research methodology.	9	L2	3

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