

M.Sc. Botany, Semester-II Examination, 2023

Paper Title: RESEARCH METHODOLOGY

Paper Code: MBO-CFC201

Time: 2½ h

Max Marks. 60

Note: This paper has 03 sections, A, B, C. Attempt all three sections.

Section A (Attempt all questions)

(1x10=10 Marks)

Q. No.	Questions	BTL	CLO	PLO
i.	What do you understand by plagiarism?	2	2	3
ii.	What is a Linkert scale?	1	2	3
iii.	List the source of error in measurement.	3	5	2
iv.	Define editorial article.	2	3	2
v.	What is short communication?	3	2	2
vi.	What is meant by Patent?	5	4	2
Vii.	What is subjective philosophy of science?	3	2	3
viii.	What is meant by a mini-review?	2	4	3
ix.	What is Syllogism?	2	2	2
x.	OECD stands for.....	1	1	2

Section B: Long type Questions (Attempt any TWO out of four)

(2x15=30 Marks)

Q. No.	Questions	BTL	CLO	PLO
a)	Explain research. How many types of research are there?	4	3	2
b)	What is a sponsored research and non-sponsored research? List the various bodies that sponsor research and enlist some criterion for their sponsoring.	5	2	4
c)	What is philosophy of science? Explain in detail how philosophy is a foundation for guiding scientific research?	4	2	2
d)	What are scientific communication and its importance? Write about the importance of writing ethics in scientific articles.	3	3	2

P.T.O.

Section C: Short type questions (Attempt all questions, each question has an internal choice)

(4x5=20 Marks)

Q. No.	Questions	BTL	CLO	PLO
a)	Enumerate the importance of GLPs in research. OR Explain the tools and techniques of data collection.	4	3	2
b)	Write a short note on ethical conduct in scientific research. OR IPRs and its importance	3	2	2
c)	Differentiate inductive logic from deductive logic. OR Briefly describe the influence of philosophy on development of science.	4	2	2
d)	Explain a research review. OR What is thesis writing?	2	3	2