

Ph.D Course Work Examinations, July-2023

CHEMISTRY

Course-II: Research and Publications Ethics

Time: 2 Hours

Max.Marks: 35

Instructions: All the questions are compulsory

1. Answer any Four questions of the following:

4 X 2M = 08M

- a. What is the basis for ethical judgments?
- b. Mention any two primary goals of COPE.
- c. When conflicts of interest arises in research? Explain
- d. On which factors choice of database is dependent?
- e. How altmetrics is different from traditional metrics?

2.

3+4=7M

- a) Philosophy and ethics are two closely related disciplines. Justify your answer.
- b) How ethics play a crucial role in science and research? Explain briefly.

OR

- c) Salami slicing is considered unethical. Justify your answer with reason.

3.

3+4=7M

- a) What is publication misconduct? How one can identify publication misconduct? Discuss briefly.
- b) Discuss the importance of authorship and contributorship academic and scientific publishing.

OR

- c) Write a note on characteristics and concerns related to predatory publishers and journals.

4.

3+4=7M

- a) How open access initiatives aim to remove barriers to accessing and using scientific knowledge? Discuss few key aspects.
- b) Write a note on various software tool used to identify predatory publications.

OR

- c) How SHERPA/RoMEO can help researchers check publisher copyright and self-archiving policies?

5.

3+3 = 6M

- a) How citation databases are useful in capturing and organizing information? Explain briefly.
- b) What are research metrics? Discuss various research metrics used to evaluate scientific research.

OR

- c) Write notes on : i) h-index and ii) Scopus publications
