Course Work Examination, July 2023

E.P. Odum School of Environmental Sciences / Hargobind Khurana School of Life Sciences

ECOLOGY & ENVIRONMENTAL SCIENCE / LIFE SCIENCE & BIOINFORMATICS / BIOTECHNOLOGY / MICROBIOLOGY

Course No. CW-701
(Researth and Publication Ethics)

Full Marks: 75
Pass Marks: 38

Time: 3 Hours

The figures in the margin indicate the full marks for questions.
Answer Six questions taking one from each UNIT

UNIT-I
(Philosophy and Ethics)

1. Highlighting different branches of Philosophy, differentiate between Ethics and Epistemology. 15

Or

2. Discuss in brief the nature of moral judgement. 15

UNIT-II
(Scientific Conduct)

3. What are the basic criteria of ethics in research? Describe scientific misconduct. 15

Or

4. Define the three basic criteria of Research misconduct. Give a note on top "poor" behaviors in research. Give a few reasons why misconduct happens and its consequences. 15

UNIT-III
(Publication Ethics)

5. (a) What is meant by Publication Ethics? Explain why it is necessary to maintain Publication Ethics while publishing research outcomes. 1+7=8

   (b) Describe in detail the different types of unethical authorships and the role and responsibilities of an author. State the factors that can lead to retraction of publication from a journal. 4+3=7

Or

6. (a) Outline the broad characteristics of predatory journals. Add a brief note on the objectives of UGC CARE. 5+3=8

   (b) What is publication misconduct? Describe briefly how publication misconduct can be identified. Describe briefly how to raise complaints against publication in misconduct. 1+3+3=7

UNIT-IV
(Open Access Publishing)

7. What is the open access movement? Explain the different types of open access modes for publications. What are the benefits and drawbacks of open access publications? 10

Or

8. What precisely is a predatory journal? What are the red indications that a journal or publisher may be predatory? Why are predatory journals not allowed in research? 10

UNIT-V
(Publication Misconduct)

9. Define with example : 10

   (a) Falsification

   (b) Fabrication

   (c) Plagiarism

Or

10. Write short notes on Plagiarism Softwares. 10

UNIT-VI
(Database and Research Metrics)

11. Write a note on different indexing databases with their salient features. Discuss the advantages of indexing databases for research workers. 10

Or

12. What is a database? Write a note on the salient features of Scopus and Web of Science databases. 10

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