Course Work Examination, July 2023

Aryabhatta School of Earth Sciences

EARTH SCIENCE / GEOGRAPHY

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. (a) Define Philosophy. Discuss how Philosophy influences human ethics. 2+5=7

   (b) Define Ethics. Give various dimensions of ethics. 2+6=8

2. Write notes on the following: 5+5+5=15

   (a) Branches of philosophy

   (b) Difference between Ethics and Art

   (c) Ethics as a normative science

UNIT-II
(Scientific Conduct)

3. What are scientific ethics? Describe how ethical behaviour is entirely consistent with, and necessary for, good scientific research. 5+10=15

4. Explain what each of the following term is and why they constitute scientific misconduct: falsification, fabrication and plagiarism. 5+5+5=15

UNIT-III
(Publication Ethics)

5. What are Publication ethics? List and describe five conducts that are recognized as unethical publishing practices. Add anote on Authorship Conflict. 2+8+5=15

6. Write notes on the following: 5+5+5=15

   (a) Redundant Publication

   (b) Predatory publishers and journals

   (c) Peer Review

UNIT-IV
(Open Access Publishing)

7. What is Open Access Publishing? Write briefly on the benefits of Open Access Publishing of scientific works. Add a note on the demerits of Open Access Publishing. 2+4 +4=10

8. Write explanatory notes on the following: 5+5=10

   (a) Online resources to check publisher copyright

   (b) Software tools to identify predatory publications

UNIT-V
(Publication Misconduct)

9. Analyze the consequences of Publication Misconduct. 10

10. Explain the role of Turnitin and Urkund to check plagiarism in research. 10

UNIT-VI
(Databases and Research Metrics)

11. List five popular journal metrics and explain how these metrics are used in the evaluation of impact and quality of journal. 10

12. Write notes on the following: 3+3+4=10

    (a) H-index and derivatives

    (b) Web of Sciences

    (c) Altmetrics

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