

M.Phil 1st Semester Examination, 2019

EARTH SYSTEM SCIENCE

(Research methodology)

PAPER –ESS-111

Full Marks : 50

Time : 2 hours

Answer any four questions

The figures in the right-hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

1. What are the basic criteria to be considered in Geographical Research ? Discuss the contents and importance of 'Introductory Chapter' in setting the framework of the dissertation and focussing the spirit of the research work.

4 + 6

2. Elucidate with proper examples, the importance and ethical values of proper citation. 10
3. How do you define a research problem ? Give three examples to illustrate your answer. 4 + 6
4. Discuss the needs and objectives of literature review in research. 10
5. What do you mean by sampling ? Distinguish between cluster and area sampling. Explain probability sampling. 2 + 5 + 3
6. How do you differentiate general objectives of research from specific research objectives ? Validate your answer with suitable examples. 10
7. Briefly discuss the typologies of research and elucidate the importance of applied research in this regard. 10
8. Discuss the methods and steps of writing the

manuscript of a dissertation. What should be the possible contents to be dealt with in the concluding chapter of a dissertation ? 8 + 2

9. Assignment writing (to be submitted by the candidates before examination). 10
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