

M.Sc. 3rd Semester Examination-2022-23

GEO-INFORMATICS

Course ID : 33152

Course Code : GI-302T

**Course Title : Research Methods and
Methodology**

Time : 2 Hours

Full Marks : 40

The figures in the right hand margin indicate full marks.

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

Answer any *four* questions selecting at least *one* from each
unit.

UNIT-I : Research Types and Research Framework

1. What is the difference between the qualitative and quantitative research? Write a short note on empiricism, rationalism, skepticism. 4+6
2. Describe data type in geoinformatics, explain in brief with suitable examples. What is validity of a research tool? 4+4+2

(Turn Over)

UNIT-II : Research Design

3. Describe sampling, observational, analytical and operational design. What is general question in research?
8+2
4. What is meant by plagiarism in research? How is plagiarism different from similarity index? Describe the role of power and politics in research. 2+3+5

UNIT-III : Documentation and Research

5. What is Impact Factor and how is that computed for journal? Mention the suitable indexing system for journals with examples. 5+5
6. Distinguish between reference and bibliography. Highlight the characteristics of a review article. Write the principles to study a research paper. 3+4+3
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