**1006E570**            Candidate's Seat No :_____

**M.Sc Sem.-2 Examination**
**P - 410**
**Geoinformatics**

Time : 2-00 Hours]            **June 2022**            [Max. Marks : 50

**Section 1**

Attempt **any three questions** from Q1 to Q8 in Section 1

|    |   |                                                                                                                              | Marks |
|----|---|------------------------------------------------------------------------------------------------------------------------------|-------|
| Q1 | A | Discuss the concept and sources of literature review.                                                                        | 7     |
|    | B | Discuss the basic structure of a research report.                                                                            | 7     |
| Q2 | A | What is hypothesis? Explain the importance of hypothesis. Discuss different types of hypothesis.                             | 7     |
|    | B | Explain simple random sampling and stratified random sampling with suitable example.                                        | 7     |
| Q3 | A | Discuss the concept of population and sample. What are the principles of sampling?                                           | 7     |
|    | B | Explain questionnaire as a technique of data collection. Discuss the characteristics of a good questionnaire.               | 7     |
| Q4 | A | Explain the concept of research project. Discuss different types of projects.                                                | 7     |
|    | B | Differentiate between probability and non-probability sampling designs. Explain any two types of probability sampling designs. | 7     |
| Q5 | A | What is mind map? Briefly explain it.                                                                                         | 7     |
|    | B | Give one example of mind mapping and Briefly explain it                                                                      | 7     |
| Q6 | A | Briefly explain project design steps                                                                                         | 7     |
|    | B | Explain soft systems Methodology with Root Definition and Give suitable example                                              | 7     |
| Q7 | A | What is a SWOT analysis and why should we use one? Briefly explain it.                                                        | 7     |
|    | B | What is the element of SWOT analysis? Briefly explain it.                                                                     | 7     |
| Q8 | A | What is PERT? what is program?                                                                                                | 7     |
|    | B | What are Gantt Charts? Explain difference between PERT AND Gantt chart.                                                       | 7     |

## Section 2

All the question of Section 2 are compulsory.

(1) A research directed towards. the solution of immediate and practical problems is known as
   a. Basic Research
   b. Applied Research
   c. Qualitative Research
   d. Quantitative Research

(2) Data is collected with reasonable standard of ..................
   a. Numerical Method
   b. Feasibility
   c. Accuracy
   d. All of Above

(3) What characteristic does statistics emphasises, as a Method or as a singular noun?
   a. Descriptive
   b. Analytical
   c. Inferential
   d. Comparative

(4) ........... is a plan, structure and strategy of investigations so conceived as to obtain answers to research problem.
   a. Research Plan
   b. Research Proposal
   c. Research Design
   d. Research Methodology

(5) What is a mind map?
   a. A diagram in which information is represented visually, usually with a central idea placed in the middle and associated ideas arrangement around it.
   b. He written text of a play, film or broadcast
   c. An arrangement of images, materials, pieces of text, etc. intended to evoke or project a particular style or concept
   d. None

(6) True or false: the first step of effectively create a mind map is to list down all possible causes, then narrow down your choices by asking questions.

   a. True
   b. False

(7) Which of the following is false regarding why a SWOT Analysis is used?
   a. To build on the strengths of a business
   b. To minimize the weaknesses of a business
   c. To reduce opportunities available to a business
   d. To counteract threats to a business

(8) Which of the following is true about preparing a SWOT Analysis?

   a. It should focus on where the organization is today, not where it could be in the future.
   b. A SWOT Analysis is objective
   c. It should be specific and avoid grey areas
   d. It should analyse the organization only and ignore the performance of competitors.

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