

Reg. No. :

Name :

Ph.D. ENTRANCE EXAMINATION 2023

FACULTY OF SCIENCE

GEOGRAPHY

Time : 3 Hours

Max. Marks : 100

Instructions :

- 1) Answer **any ten** questions each from Section **A** and Section **B**.
- 2) Each question carries **5** marks.
- 3) No additional Answer sheets will be provided.
- 4) Candidates should clearly indicate the section, Question number in the answer booklet.

Section – A

Research Methodology

Answer any **ten** questions, each questions carries five marks.

1. Write a short note on the need of scientific research in Geographical studies.
2. Mention the relevance of the use of statistical packages in geographical research.
3. Briefly discuss the characteristics of a good research design.
4. Explain the significance of sampling in research.
5. Discuss the importance of defining a research problem.
6. Discuss the various methods of collecting primary data.

7. Briefly mention the format of research reporting.
8. Differentiate between null and alternative hypothesis.
9. Discuss the importance of review of literature in research.
10. Explain how quantitative research is different from qualitative research.
11. Assess the relevance of models in Geography.
12. Briefly explain the development of quantitative revolution in Geography.
13. Explain the ethical issues related to research.
14. Write a note on predatory publishers and journals.
15. What is plagiarism in research writing. Mention the soft-wares available for checking plagiarism in research reports.

(10 × 5 = 50 Marks)

Section – B

Geography

Answer any **ten** questions, each questions carries **5** marks.

1. “Areal differentiation forms the core theme in Geography” Explain in brief.
2. Discuss the major characteristics of ‘CBD’.
3. Mention the weather conditions associated with the origin of tropical cyclones.
4. “Geological Structure has a dominant control on landforms and is reflected on them”. Discuss
5. Bring out the salient features of Weber’s industrial location hypothesis.
6. Explain the characteristics of ecological succession.

7. Discuss Nelson's method of functional classification of towns.
8. Examine the theories on population migration.
9. Examine the relevance of Von Thunen's model on agricultural location in the contemporary context.
10. Explain the data input and editing techniques in GIS.
11. Mention the limitations of Raster data representation.
12. Elucidate the main features of Northern mountain region of India.
13. Explain the stages of map compilation.
14. Differentiate between crop combination, crop concentration and crop diversification.
15. Examine the regional imbalances in the economic development in India and make suggestions for balanced development of the regions.

(10 × 5 = 50 Marks)