P – 3212

Reg. No. : ....

Name : ....

Ph.D. ENTRANCE EXAMINATION, NOVEMBER 2022

FACULTY OF SCIENCE

DEMOGRAPHY AND POPULATION STUDIES

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. All questions carry equal marks.

1. What is meant by social research? Discuss the major objectives of social research.

2. Differentiate qualitative and quantitative type of social research with suitable examples.

3. What is meant by research process? Explain different stages for research process, in social research, with its functions.

4. What is a research design? Point out the characteristics of a good research design in social research.

5. Illustrate a research design for different levels of variables in social research with suitable example.

6. Distinguish primary and secondary type of data, in social research with examples.

7. What is a questionnaire? Discuss the various stages involved in questionnaire preparation in social research.

8. What is meant by content analysis? Explain the usefulness of content analysis in social research.

9. Make a distinction between probability and non-probability sampling in social research with suitable examples.

10. Examine the various measures of descriptive statistics used in social research.

11. Explain the utilities of scaling techniques in social research.

12. What is a hypothesis? Appraise the need for testing of hypothesis in social research.

13. Elucidate the applications of chi-square test in social research.

14. Discuss the different stages of report writing in social research with its objectives.

15. Explain the major ethical issues involved in social research with its relevance.

(10 × 5 = 50 Marks)

Section – B

Demography and Population Studies

Answer any **ten** questions. All questions carry equal marks.

1. Discuss various period measures of fertility with its uses and limitations.

2. What is meant by "Replacement Index"? Derive an appropriate measures for 'Replacement Index'.

3. Define life table. Explain the construction of an abridged life table with assumptions.

4. Elucidate the uses of life table in demographic analysis.

5. Appraise the utilities of Coale and Demeny model life table for developing countries in mortality analysis.

6. Evaluate the usefulness of sampling techniques in demography.

7. Explain the applications of logistic regression analysis in demographic analysis.

8. Differentiate descriptive and analytical epidemiology with suitable examples.

9. Briefly illustrate epidemiological transition of tuberculosis in India with the help of empirical data

10. Appraise the relevance of reproductive and child health studies in demography.

11. Define stable population theory. Derive stable population theory with its assumptions.

12. Explain different mathematical methods of population projection with its merits and demerits.

13. Discuss component method of population projection with its assumptions.

14. Briefly appraise Millennium Development Goals (MDG's)with suitable examples.

15. What is meant by 'Demographic Dividend'? Assess the interdependence between age structural transition and 'Demographic Dividend' in India, in few words.

(10 × 5 = 50 Marks)

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