

2018
GEOGRAPHY
GGY-304
RESEARCH METHODOLOGY
Full Mark: 80
Time: 3 hours

The figures in the margin indicates full marks for the questions :

1. Multiple choice questions (Answer all) 1X 10=10

1. What do you consider as the main aim of inter disciplinary research?

- (a) To bring out holistic approach to research.
- (b) To reduce the emphasis of single subject in research domain.
- (c) To over simplify the problem of research.
- (d) To create a new trend in research methodology.

ii. One of the aim of scientific method in research is to:

- (a) improve data interpretation
- (b) eliminate spurious relations
- (c) confirm triangulation
- (d) introduce new variables

iii. The depth of any research can be judged by:

- (a) Title of the research.
- (b) Objectives of the research.
- (c) Total expenditure on the research.
- (d) Duration of the research

iv. Ethical norms in research do not involve guidelines for :

- (a) Thesis format
- (b) Copyright
- (c) Patenting policy
- (d) Data sharing policies

v. Which of the following statements is true in the context of the testing of a hypothesis?

- (a) It is only the alternative hypothesis that can be tested.
- (b) It is only the null hypothesis that can be tested.
- (c) Both, the alternative and the null hypotheses can be tested.
- (d) Both, the alternative and the null hypotheses cannot be tested.

vi. Which of the following are the basic rules of APA style of referencing format ?

- (a) Italicize titles of shorter works such as journal articles or essays
- (b) Invert authors' names (last name first)
- (c) Italicize titles of longer works such as books and journals
- (d) Alphabetically index reference list

Select the correct answer from the codes given below :

- (1) (a) and (b) (2) (b), (c) and (d)
- (3) (c) and (d) (4) (a), (b), (c) and (d)

vii. A researcher is interested in studying the prospects of a particular political party in an area. What tool should he prefer for the study?

- (a) Rating scale (b) Interview (c) Questionnaire (d) Schedule

viii. The four scale of measurement is given by _____

- (a) Steven (b) P.V.Young
- (c) F.N. Kerlinger (d) E.Halley

ix. Which of the following options are the main tasks of research in modern society?

- (i) to keep pace with the advancement in knowledge.
- (ii) to discover new things.

(iii) to write a critique on the earlier writings.

(iv) to systematically examine and critically analyse the investigations/sources with objectivity.

- (A) iv, ii and i
- (B) i, ii and iii
- (C) i and iii
- (D) ii, iii and iv

x. Match List-I (Interviews) with List-II (Meaning) and select the correct answer from the code given below:

List - I (Interviews)

List - II (Meaning)

(a) structured interviews

(i) greater flexibility approach

(b) Unstructured interviews

(ii) attention on the questions to be answered

(c) Focused interviews

(iii) individual life experience

(d) Clinical interviews

(iv) Pre determined question

(v) non-directive

Code:

- (a) (b) (c) (d)
- (A) (iv) (i) (ii) (iii)
- (B) (ii) (iv) (i) (iii)
- (C) (v) (ii) (iv) (i)
- (D) (i) (iii) (v) (iv)

2 vi. Answer in brief (any four)

2X4=8

- i. What is the significance of doing scientific investigation?
- ii. What is the difference between analysis and interpretation?
- iii. What do you mean by a hypothesis?
- iv. Write down the structure of a research paper.
- v. What do you mean by Quata sampling technique?
- vi. What are the different data collection techniques used in geographic research?

3. Answer in brief (any four)

5X4=20

- i. What do you mean by data source?
- ii. What do you mean by descriptive and causal analysis in research?
- iii. What makes a hypothesis a scientific law? How law helps in building theory?
- iv. Explain the process of simple random and stratified sampling techniques.
- v. Describe the use of end note and foot note in research write-up.
- vi. Describe the difference between nominal and ordinal scale.

4. Answer in detail (any Two)

9x2=18

- i. Explain with suitable diagram the deductive and inductive route of explanation.
- ii. What is a hypothesis? State the type of hypothesis and its process of testing.
- iii. State the term sample and sampling in research. What is the need of sampling in scientific investigation along with the different types of sampling procedure followed in geographic research?
- iv. Explain in detail the significance of literature review in scientific research.

5. Answer in Detail (Any two)

12x2=24

- i. What do you mean by scientific research and research problem? Prepare a research proposal with a hypothetical research problem.
4+8=12
- ii. What do you mean by ethics in research? What are the ethical measures considered in doing scientific research? . 2+10=12
- iii. Explain with diagrammatic representation of inductive route of explanation. How it is differ from deductive route? 5+7=12
- iv. What do you mean by intellectual property right? Explain the different trust area of intellectual property right. 3+9=12
