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(CBCS)

(5th Semester)

EDUCATION

FIFTH PAPER

(Research Methodology in Education)

Full Marks : 75

Time : 3 hours

(PART : A—OBJECTIVE)

(Marks : 25)

The figures in the margin indicate full marks for the questions

SECTION—A

(Marks : 10)

Tick (✓) the correct answer in the brackets provided :

1×10=10

1. Basic research is also called

- (a) fundamental research ()
- (b) applied research ()
- (c) qualitative research ()
- (d) quantitative research ()

2. Action research is concerned with the solution of

- (a) family problems ()
- (b) library problems ()
- (c) population problems ()
- (d) classroom problems ()

3. A variable that can take an infinite and uncountable set of values is
(a) dependent variable () (b) continuous variable ()
(c) independent variable () (d) discrete variable ()
4. The hypothesis that states that there is no significant difference between groups is called
(a) directional hypothesis ()
(b) non-directional hypothesis ()
(c) empirical hypothesis ()
(d) null hypothesis ()
5. A well-defined collection of individuals or objects known to have similar characteristics is
(a) population ()
(b) sample ()
(c) Both of the above ()
(d) None of the above ()
6. A method of sampling technique in which each sample has an equal probability of being chosen is
(a) non-probability sampling ()
(b) snowball sampling ()
(c) probability sampling ()
(d) purposive sampling ()
7. A technique for collecting data where a researcher examines people in a natural setting is
(a) questionnaire () (b) observation ()
(c) aptitude test () (d) psychological test ()
8. Which tool includes inventories in collection of data?
(a) Interview schedule ()
(b) Questionnaire ()
(c) Psychological tests ()
(d) Observation schedule ()

9. The preliminary section of a research report includes
- (a) acknowledgement ()
 - (b) bibliography ()
 - (c) findings and conclusion ()
 - (d) footnotes ()
10. The appendix in a research report belongs to
- (a) the preliminary section ()
 - (b) the main body ()
 - (c) the reference section ()
 - (d) preface ()

SECTION—B

(Marks : 15)

Write briefly on the following :

3×5=15

1. Need of educational research

OR

Applied research

2. Importance of hypothesis

OR

Concept of literature review

3. Concept of sample in research

OR

Principles of sampling

4. Observation as a tool for data collection

OR

Advantages of interview as tool for data collection

5. Concept of research project

OR

Importance of conducting a project

(PART : B—DESCRIPTIVE)

(Marks : 50)

The figures in the margin indicate full marks for the questions

1. What is the need of educational research? Explain different types of educational research. 3+7=10

OR

Discuss various steps involved in educational research. 10

2. What do you understand by hypothesis? Discuss different types of hypothesis. 10

OR

What is meant by variable? Explain different types of variables. 3+7=10

3. What is population and sample in educational research? Mention the advantages of sampling. (3+3)+4=10

OR

Explain the procedure followed in any two types of sampling designs with suitable examples. 5+5=10

4. Explain questionnaire as a tool for data collection. Mention its advantages and disadvantages. 6+2+2=10

OR

Explain interview as a tool for data collection. Mention its advantages and disadvantages. 6+2+2=10

5. What is a research project? Throw light on the importance of conducting a research project. 3+7=10

OR

Give an account of the basic structure of a research report. 10
