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(Pre-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. The first step a researcher has to take is

- (a) framing hypothesis ()
- (b) formulating objectives ()
- (c) identifying a problem ()
- (d) collecting data ()

2. Applied research is also called

- (a) experimental research ()
- (b) field research ()
- (c) fundamental research ()
- (d) practical research ()

3. "There is no significant difference in the intelligence of male and female higher secondary school teachers in Mizoram." Name the form of hypothesis.
- (a) Null form ()
 - (b) Question form ()
 - (c) Declarative form ()
 - (d) Non-directional research hypothesis ()
4. One of the purposes of literature review in educational research is
- (a) to avoid unfruitful and useless problem areas ()
 - (b) to justify the worthwhileness and urgency of the research study ()
 - (c) to make the study effective in obtaining the required information ()
 - (d) All of the above ()
5. In simple random sampling
- (a) units in the sample are proportional to their presence in the population ()
 - (b) each unit of the population is given an equal chance of being selected ()
 - (c) the research may have to use two, three or four stage sampling ()
 - (d) the sample is restricted to units especially typical of the population ()
6. The representative proportion of the population is called
- (a) universe ()
 - (b) hypothesis ()
 - (c) variable ()
 - (d) sample ()
7. Unstructured observation is
- (a) unplanned and unsystematic ()
 - (b) planned and systematic ()
 - (c) planned ()
 - (d) systematic ()

8. The type of validity which is essentially applied only to test the validity of educational achievement test is known as
- (a) criterion-related validity ()
 - (b) construct validity ()
 - (c) predictive validity ()
 - (d) content validity ()
9. The reference section of a research report contains
- (a) bibliography ()
 - (b) table of contents ()
 - (c) data gathering instruments ()
 - (d) title of the study ()
10. Which section is considered to be the heart of the research report?
- (a) Design of the study ()
 - (b) Introduction ()
 - (c) Analysis and interpretation of the data ()
 - (d) Summary and conclusions ()

SECTION—B

(Marks : 15)

Write briefly on the following :

3×5=15

1. Basic research
2. Types of variables
3. Probability and non-probability sampling
4. Structured interview
5. Body of the research report

(PART : B—DESCRIPTIVE)

(Marks : 50)

The figures in the margin indicate full marks for the questions

1. Discuss in detail the scope of educational research. 10

OR

Explain the steps in educational research. 10

2. What do you understand by hypothesis? Discuss the characteristics of a good hypothesis. 3+7=10

OR

Explain the concept of literature review in educational research. Discuss the important sources of literature review. 4+6=10

3. What do you mean by population? Discuss the advantages of sampling. 3+7=10

OR

How will you select a representative sample in educational research? Explain stratified random sampling and purposive sampling techniques. 3+7=10

4. Explain observation as a tool in educational research. Discuss the merits and demerits of observation. 4+(3+3)=10

OR

What do you understand by psychological tests as a technique of data collection in educational research? Discuss any two types of test. 4+(3+3)=10

5. What is a project? Discuss the types of projects that can be conducted in the field of education. 4+6=10

OR

Discuss the steps to be followed in writing a research report. 10

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