

13 NOV 2015

Subject Code : **V/EDN (v)**

Booklet No. **A 137**

13 NOV 2015

**V/EDN (v)**

**2015**

( 5th Semester )

**EDUCATION**

**FIFTH PAPER**

**( Research Methodology in Education )**

Full Marks : 75

Time : 3 hours

( PART : B — DESCRIPTIVE )

( Marks : 50 )

*The figures in the margin indicate full marks for the questions*

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

Or

Discuss the various steps in educational research. 10

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( Turn Over )

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2. Explain the concept and types of variables. 3+7=10

Or

What is hypothesis? Explain the importance of hypothesis. Discuss different types of hypothesis. 2+2+6=10

3. Explain simple random sampling and stratified random sampling with suitable example. 5+5=10

Or

Discuss the concept of population and sample. What are the principles of sampling? 2+2+6=10

4. Explain questionnaire as a technique of data collection. Discuss the characteristics of a good questionnaire. 4+6=10

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

5. Explain the concept of research project. Discuss different types of project. 3+7=10

Or

Discuss the basic structure of a research report. 10

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To be filled in by the Candidate

DEGREE 5th Semester  
(Arts / Science / Commerce /  
..... ) Exam., 2015

Subject .....

Paper .....

## INSTRUCTIONS TO CANDIDATES

1. The Booklet No. of this script should be quoted in the answer script means descriptive type questions and vice versa.
2. This paper should be ANSWERED FULLY and submitted within 1 (one) hour of the commencement of Examination.
3. While answering the questions of this booklet, any cutting, erasing, or writing or furnishing more than one answer is prohibited. Any rough work, if required, should be done only in the main Answer Book. Instructions given in each question should be followed for answering that question only.

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Scrutiniser(s)

Signature  
Examiner

2015

( 5th Semester )

EDUCATION

FIFTH PAPER

( Research Methodology in Education )

( PART : A—OBJECTIVE )

( Marks : 25 )

The figures in the margin indicate full marks for the questions

Answer all questions

SECTION—A

( Marks : 10 )

Choose the most appropriate answer to the following by putting a Tick (✓) mark against it in the brackets provided : 1×10=10

1. The first step a researcher has to take is

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

2. A form prepared and distributed to secure responses is

- (a) interview ( )
- (b) questionnaire ( )
- (c) observation ( )
- (d) psychological test ( )

3. The variables which appear, disappear or change as the experimenter introduces, removes, or changes independent variables is known as

- (a) continuous variables ( )
- (b) independent variables ( )
- (c) dependent variables ( )
- (d) discrete variables ( )

4. Sampling results into

- (a) greater accuracy ( )
- (b) high precision ( )
- (c) reduced cost and item ( )
- (d) control of extraneous variables ( )

5. When no significant difference exists between the variables, it is

- (a) null ( )
- (b) declarative ( )
- (c) directional ( )
- (d) question form ( )

6. What is population?

- (a) Totality of objects or individuals ( )
- (b) Males and females ( )
- (c) Only the chosen ones ( )
- (d) All of the above ( )

7. Basic research is also called

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

8. A good questionnaire is

- (a) significant, novice, clear topic ( )
- (b) as short as possible ( )
- (c) psychologically and biologically arranged ( )
- (d) easy to tabulate, summarize and interpret ( )

9. The second step in conducting a research project is

- (a) formulation of objective and hypothesis ( )
- (b) selection of a problem ( )
- (c) data collection ( )
- (d) selection of a sample ( )

10. Which of the following is included in the main body of the report?

- (a) Bibliography ( )
- (b) List of tables ( )
- (c) Introduction ( )
- (d) List of figures ( )

SECTION—B

( Marks : 15 )

Write briefly on the following :

- 1. Need of educational research

3×5=15

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2. Characteristics of a good hypothesis

- (a) It should be testable.
- (b) It should be specific.
- (c) It should be clear.
- (d) It should be logical.
- (e) It should be measurable.
- (f) It should be falsifiable.
- (g) It should be based on theory.
- (h) It should be simple.
- (i) It should be precise.
- (j) It should be generalizable.

3. Advantages of sampling

- (a) It saves time and money.
- (b) It is more accurate than a census.
- (c) It is more flexible.
- (d) It is more practical.
- (e) It is more efficient.
- (f) It is more reliable.
- (g) It is more representative.
- (h) It is more convenient.
- (i) It is more precise.
- (j) It is more accurate.

4. Types of psychological tests

- (a) Intelligence tests
- (b) Personality tests
- (c) Achievement tests
- (d) Aptitude tests
- (e) Interest tests
- (f) Attitude tests
- (g) Projective tests
- (h) Ability tests
- (i) Diagnostic tests
- (j) Research tests

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5. Importance of conducting research projects

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