



# UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Sixth Semester – 2019

Paper: Research Methods in Education

Course Code: EDU-306 Part – I (Compulsory)

Time: 15 Min. Marks: 10

Roll No. in Fig. ....

Roll No. in Words. ....

Signature of Supdt.: .....

**ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.**

**Division of marks is given in front of each question.**

**This Paper will be collected back after expiry of time limit mentioned above.**

**Q.1. Encircle the correct choice.**

**(1x10=10)**

1. Which one of the following would be most appropriate synonym for the dependent variable?
  - A. Outcome variable
  - B. Response variable
  - C. Effected variable
  - D. Experimental variable
2. Survey research is of a value because it provides:
  - A. Educators with practical and useful information about the forthcoming phenomenon.
  - B. For up-to-date detail of what is taking place
  - C. Details of what had taking place
  - D. Details of cultural realities
3. The study conducted to collect data on a group by asking each member to select person in the group most preferred by him/her on the basis of specific criterion is called \_\_\_\_\_ study:
  - A. Sociometric
  - B. Follow up
  - C. Case
  - D. Survey
4. Chi-Square is suitable for:
  - A. Ratio data
  - B. Nominal data
  - C. Interval data
  - D. Both A & c
5. If, when reading information about a class, we assign 1 to girls and 2 to boys, the level of measurement is:
  - A. Interval
  - B. Nominal
  - C. Ordinal
  - D. Ratio
6.  $000 \times_1 000$  describe the:  
 $000 \times_2 000$ 
  - A. Two group pretest-posttest design
  - B. One group pretest-posttest design
  - C. Time series design with variation
  - D. Counter balance design

**P.T.O.**

7. Study conducted to determine the status of a group of interest after some period of time is referred as:
- A. Developmental
  - B. Follow up
  - C. Sociometric
  - D. Survey
8. When subjects in a study are selected on the basis of their extreme scores, and after receiving treatment, their scores reversed, it is referred to as:
- A. Maturation
  - B. Statistical regression
  - C. Testing
  - D. Mortality
9. An experimental study in which extraneous variables are controlled is said to be:
- A. Internally valid
  - B. Externally valid
  - C. Internally reliable
  - D. Externally reliable
10. Experimental research is the one type of research that enables researchers to make conclusions about:
- A. Group differences
  - B. The change of variables over time
  - C. Relationship among variables
  - D. Cause and effect



# UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Sixth Semester – 2019

Roll No. ....

Paper: Research Methods in Education

Course Code: EDU-306 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

**ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED**

**Q.2. Short Questions.**

**(5x4=20)**

1. Discuss the advantages of doing literature review.
2. Describe the differences between independent, dependent, and intervening variables.
3. What is action research? Enlist its steps in sequential order.
4. 'Observational studies give us a true picture of reality, while survey research only give us perceptions.' Do you agree or disagree with this statement? Why? Support your answer with arguments and examples.
5. How qualitative research is different from quantitative research? Explain with examples.

**Q.3. Essay type Questions.**

**(3x10=30)**

1. What are the basic differences between true experimental and Quasi-experimental studies? Describe different types of design for conducting experimental and Quasi-experimental studies .  
(2+4+4)
2. What is Mix-method research? Explain its different types by giving examples.  
(1+3+3+3)
3. Describe situations in which you would like to use each of the following sampling techniques: (i) stratified random sampling, (ii) cluster sampling, (iii) multi-stage sampling, (iv) purposive sampling, and (v) snowball sampling.  
(2+2+2+2+2)