

XIth Ph.D. Course Work Examination (03.12.2020)

Duration : 3 1/2 hrs. (10.00 am - 2.30 pm)
Extra One hour for uploading

Theory: 90 marks.

Note: attempt six questions in all, selecting one from each of Unit (I-V) and Question No. 11 which is compulsory. Question 1-10 will carry 14 marks each and Question No. 11 will have five short notes (5*4 marks). Duration of the examination will be 3 1/2 hours. Minimum pass marks will be 45 marks out of 90.

Unit-I

- I. Discuss the concept and need of Educational Research. How are basic and applied research different?
- II. Discuss the process of identification, definition and evaluation of the research problem.

Unit-II

- III. What are the steps of descriptive survey method of research? Explain with example.
- IV. What is an experimental design? How are quasi and true experimental design different?

Unit-III

- V. Define sample. Discriminate between probability and non-probability sampling.
- VI. Explain the development and standardization of an achievement test.

Unit-IV

- VII. Compute means, S.D.'s and t-ratio for scores of twelve students of eight grade on Trial I and 2 of an Achievement test in Arithmetic.

Trial I: 33, 57, 50, 65, 36, 55, 37, 30, 21, 46, 37, 45

Trial II: 45, 67, 58, 79, 46, 63, 47, 25, 30, 56, 35, 57

- VIII. How can triangulation and meta-analysis help to analyze data?

Unit-V

- IX. What are purposes and criteria of a good research proposal?
- X. What is plagiarism? Discuss ethical issues in research.

Unit-VI

- XI. Write short notes on the following:
 - (i) Need and process of reviewing the literature.
 - (ii) Difference between quantitative and qualitative methods of research.
 - (iii) Importance of questionnaire as a tool of research.
 - (iv) Characteristics of normal probability curve.
 - (v) Criteria for evaluation of research.