

N.V.K.S.D. COLLEGE OF EDUCATION, ATTOOR
(AUTONOMOUS)

M.Ed. Degree Third Semester Examination, December 2019
(For the candidates admitted for the academic year 2018-2020)

Tool Course – ADVANCED RESEARCH METHODOLOGY
Course code: M3TC1819

Time: 3 hours

Maximum Marks: 70

SECTION A (10 x 1 = 10 marks)

Answer ALL the questions by selecting the appropriate answers.

1. Data derived by the process of historical criticism is called
 - a) Genuine data
 - b) Historical evidence
 - c) Primary data
 - d) Secondary data
2. The type of qualitative research used to describe cultural scenes or the cultural characteristics of a group of people is
 - a) Phenomenology
 - b) Genetic studies
 - c) Ethnography
 - d) Case study
3. The process of dealing with concerns over the authenticity of a source is referred to as
 - a) Primary criticism
 - b) Internal criticism
 - c) Secondary criticism
 - d) External criticism
4. The credit for introducing case study to the field of social investigation goes to
 - a) Frederick Leplay
 - b) Stephen.M. Corey
 - c) Torrance
 - d) Morrino
5. Developmental study using different age groups at the same time rather than using the same group over an extended period is
 - a) Longitudinal study
 - b) Cross sectional study
 - c) Cross sequential study
 - d) Vertical study
6. A non-parametric statistics is used when the data is in
 - a) Nominal scale
 - b) Interval scale
 - c) Ratio scale
 - d) Ordinal scale
7. Assumption being made when we use the t-distribution to perform a hypothesis test is that the
 - a) Distribution has more than one modal class
 - b) Population has a constant variance

- c) Population has a non-symmetrical distribution
- d) Population follows an approximately normal distribution
- 8. Rejecting the null hypothesis, when it is true is called
 - a) Type I error
 - b) Type II error
 - c) Sampling error
 - d) Non sampling error
- 9. If the critical region is evenly distributed then the test is referred as
 - a) Two tailed
 - b) One tailed
 - c) Three tailed
 - d) Zero tailed
- 10. Type II error occurs when we
 - a) Reject H_0 if it is True
 - b) Reject H_0 if it is False
 - c) Accept H_0 if it is True
 - d) Accept H_0 if it is False

SECTION B (5 x 3 = 15 marks)

Answer ALL questions in about 100 words each.

- 11. Differentiate between longitudinal and cross sectional genetic study.
- 12. Give examples for reference entries of a book and journal article in a research report.
- 13. State the common errors committed in reaching conclusions in research investigations.
- 14. Explain briefly the procedure of t test for small sample.
- 15. Differentiate between one tailed and two tailed tests.

SECTION C (5 x 5 = 25 marks)

Answer any FIVE questions in about 200 words each.

- 16. Explain with examples primary and secondary sources in historical research.
- 17. Illustrate the steps involved in case study.
- 18. Explain the points to be borne in mind to make the ethnographic research trustworthy.
- 19. Explain different types of documentary analysis.
- 20. Justify the need for qualitative studies in educational research.

- 21. Describe the procedure for conducting small sample

Mann-Whitney U-test in educational research.

- 22. What are the uses of factor analysis in educational research.

SECTION D (2x 10 = 20 marks)

Answer BOTH the questions in about 500 words.

- 23. a) Elaborate how qualitative and quantitative methods are integrated in mixed research designs.

(Or)

- b) Explain the general rules for writing and preparing a research report.

- 24. a) Differentiate non-parametric tests from parametric tests.

Explain any two nonparametric tests used in educational research.

(Or)

- b) What is ANCOVA? Explain the uses of ANCOVA in educational research.