

Mallikarjuna



Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University under Category 'A' by MHRD, Estd.u/s 3 of UGC Act 1956)

Re-accredited with A++ Grade by NAAC. Recognised by UGC Under Section 12B

Coimbatore – 641043, Tamil Nadu, India.

Continuous Internal Assessment Test II – June 2022

Semester II

Class : I B.Ed./ I B.Ed. Spl. Edn. / I B.P.Ed.

Time : 2 Hrs

Max Marks : 60

21BAFU01 – Fundamentals of Research

Part -A

Choose the Correct Answer

6 X 1 = 6

- Diagrammatic representation of data yields _____. CO3 K2
a) Better Understanding b) Simpler c) Interactive d) All the above
- Which one of the following is considered as the principal instrument in research? CO4 K4
a) Sampling b) Hypothesis c) Dispersion d) Inference
- The test which is used for normal probability distribution is _____. CO4 K1
a) z-test b) t-test c) chi-square test d) ANOVA
- ANOVA stands for CO4 K1
a) Aggregation of Variance b) Aggregation of Variables
c) Analysis of Variables d) Analysis of Variance
- A major component of the research study for the research task remains incomplete is _____. CO5 K2
a) Report b) Bibliography c) Integrity d) Research ethics
- Plagiarism in research is _____. CO5 K1
a) Creative use of previous data b) Copying unscrupulously and making use of it
c) Quoting someone and citing him/her d) Referring to previous data and working over it with new objectives

Part – B

Answer the following

Answer should not exceed 400 words or two pages

3 X 6 = 18

- a. What are the various forms representing data? Discuss. CO3 K2
(or)
- b. Brief out the various characteristics of hypothesis. CO4 K1
- a. Distinguish between Type I error and Type II error. CO4 K4
(or)
- b. Demonstrate the layout of research report. CO5 K3
- a. Give short notes on the characteristics of a good research report. CO5 K1
(or)
- b. What is called as misconduct in research? Discuss. CO5 K2

Part – D

Answer the following

Answer should not exceed 800 words or four pages

3 X 12 = 36

- a. What are the various types of hypothesis? Explain in detail. CO4 K2
(or)
- b. Explain the various steps in testing a hypothesis. Discuss with an example. CO4 K2
- a. What is Chi-square test? Examine its significance in statistical analysis. CO4 K4
(or)
- b. Describe the various steps in writing a report. CO5 K1
- a. State the importance of research ethics and integrity. CO5 K1
(or)
- b. Propose your own research problem and analyse it using an appropriate statistical tool. CO5 K6