

**Avinashilingam Institute for Home Science And Higher Education for Women  
Coimbatore – 641 043.**

**Continuous Internal Assessment Test I - April 2021  
SEMESTER II**

Class : I M.Ed

Time: 2 Hrs.  
Max. Marks: 30

**20MEDC06 Advanced Educational Research and Statistics**

**Course Outcomes:**

- CO1: choose appropriate quantitative or qualitative method to collect data  
CO2: write a research proposal suitable for submission to a research funding body  
CO3: carry out independent research using a range of research designs and methods  
CO4: maintain respect for individual research contributions and intellectual property rights and demonstrate ethical behavior  
CO5: interpret and present the results of an independently conducted statistical analysis

**PART – A  
Answer all questions  
(Multiple choice questions)**

**6 x 1 = 6**

1. Which of the following is not a type of qualitative interview? CO 1 K1  
a. Unstructured interview  
b. Oral history interview  
c. Structured interview  
d. Focused group interview
2. Which of the following is a component of ethnographic research? CO1 K1  
a. Being immersed in social group  
b. Participant observation, interview  
c. A written account of an ethnographic study  
d. All the above
3. What is a research design? CO3 K1  
a. A way of conducting research that is not grounded in theory  
b. The choice between using qualitative and quantitative research  
c. The style in which you present your research findings  
d. A framework for every stage of the collection and analysis of data
4. Internal validity refers to CO3 K2  
a. Whether or not there is really a causal relationship between two variables  
b. Whether or not the findings are relevant to the researchers everyday life  
c. The extent to which the researcher believes that this was a worthwhile project  
d. It was conducted by a reputable researcher who can be trusted
5. In simple correlation, if an increase in one variable causes an increase in another variable then the correlation is said to be \_\_\_\_\_ correlation. CO5 K1  
a. Zero      b. Positive      c. Negative      d. Partial
6. The value of Correlation lies between CO5 K1  
a. 0&1      b. -1&0      c. -1&+1      d. -2&+2

**PART – B**

**2 x 6= 12**

**Answer any two questions  
(2 out of 4 Questions)**

**Answer should not exceed 400 words**

7. Highlight the reasons for conducting qualitative Research. CO1 K2  
8. Explain the steps involved in Case study. CO1 K2  
9. Explain Quasi-Experimental Design in Research CO3 K3

10. Explain single group design in Research

CO3 K3

**PART – C**

**1 x 12 = 12**

**Answer any one question**

**(1 out of 2 Questions)**

**Answer should not exceed 800 words**

11. Calculate coefficient of correlation and interpret.

CO5 K4

Marks in Maths	75	85	90	65	45
Marks in Language	60	70	70	50	40

12. Calculate the regression equations and hence find the value of Y, when X=65

CO5 K4

X	10	20	30	40	50
Y	25	35	45	55	65