

Continuous Internal Assessment Test II - June 2021
SEMESTER II

Class : I M.Ed.
Major: Education

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 behaviour
CO5: interpret and present the results of an independently conducted statistical analysis

PART – A

6 x 1 = 6

Answer all questions
(Multiple choice questions)

1. The two important components of research responsibility are : sincerity in work and
a. writing the thesis
b. avoiding plagiarism
c. research techniques
d. confidentiality
CO 4 K2
2. Which of the following is not an IPR law?
a. Copyright Act
b. Trademark Act
c. Patent Act
d. Consumers Act
CO4 K1
3. APA style stands for
a. American Psychological Associates
b. American Psychological Association
c. American Psychologist Association
d. Association of Psychological of Americans
CO4 K1
4. Which of the following variables is not categorical?
a. Age
b. gender
c. Alternative response
d. Marital status
CO5 K2
5. In ANOVA-factor refers to
a. dependent variable
b. independent variable
c. the criticalvalue of F
d. different levels of treatment
CO5 K2
6. t-test is used to test
a. Standard deviation
b. median
c. mode
d. mean
CO5 K2

PART – B

2 x 6= 12

Answer any two questions
(2 out of 4 Questions)
Answer should not exceed 400 words

7. Highlight the importance of IPR
CO4 K3
8. Write a short note on Bibliography and Appendices
CO4 K2

9. A simple random sampling survey in respect of monthly earnings of semi-skilled workers in two cities are given.-Test the Hypothesis 5 percent level that there is no difference between monthly earnings of workers in the two cities. CO5 K3

city	Mean monthly earnings(Rs)	Standard deviation of sample data of monthly earnings(Rs)	Size of sample
A	695	40	200
B	710	60	175

10. The table given below shows the data obtained during outbreak of smallpox. CO5 K3

	attacked	Not attacked
Vaccinated	31	469
Not vaccinated	185	1315

Test the effectiveness of vaccination in preventing the attack from smallpox. Test your result with the help of chisquare at 5 percent level of significance.

PART – C

1 x 12 = 12

**Answer any one question
(1 out of 2 Questions)**

Answer should not exceed 800 words

11. Write a research report with an example. CO4 K5
12. Discuss parametric and non-parametric methods with an example CO5 K3
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