

Exam. Code: 1000
Sub. Code: 34992

2056
M.E. (Computer Science and Engineering)
Second Semester
CS-8202: Research Methodology

(Common with ME Comp. Sci Cyber Security CSN 8201)

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Section.

x-x-x

1. Briefly explain the following:
 - (a) Research
 - (b) Projective techniques.
 - (c) Non-Parametric tests
 - (d) ArXive
 - (e) Self-plagiarism

(5x2)

Section A

2. What do you mean by questionnaire method of data collection in research? Discuss its advantages and disadvantages. (10)
3. Discuss Descriptive, Conceptual, Analytical and Empirical Research citing significance of each. (10)
4. Ten accountants were given intensive coaching and four tests were conducted in a month. The scores of tests 1 and 4 are given below. Does the scores from the test 1 to test 4 show an improvement? Test at 5% level of significance. (Value of t at 5% level for 9 d.f. is 2.262 for two tail test and 1.833 for one tail test). (10)

Students	1	2	3	4	5	6	7	8	9	10
Marks in 1 st test	50	42	51	42	60	41	70	55	62	38
Marks in 4 th test	62	40	61	52	68	51	64	63	72	50

Section B

5. Define the term 'Research Report'. Discuss its different types in detail. (10)
6. Discuss the different components of a Research Report. (10)
7. Differentiate between any two tools used for technical report writing. (10)

x-x-x