

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University)
M.Sc(RENAL DIALYSIS TECHNOLOGY) DEGREE EXAMINATION –
DECEMBER 2021
Second Semester
BIOSTATISTICS

Three Hours

Maximum: 100 marks

I. Write an Long essay on: **(3 x 20 = 60)**

1. A group of 200 individuals were classified according to marital status and smoking habits as follows:

Marital Status	Smoker	Non-smoker
Married	25	95
Unmarried	45	35

Test whether the two criteria of classification are independent.

2. Discuss the important steps involved in the testing of hypothesis citing suitable examples.
3. What is the purpose of sampling? Explain the different methods of sampling citing examples. Add a note on their merits and demerits.

II. Write short essay on : **(4 x 10 = 40)**

4. What is a student-t-test?
5. Rank correlation.
6. Chi-square test.
7. a) What are the characteristics of a normal curve?
b) Differentiate between parametric and non-parametric tests.
