

**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM**  
**M.Sc( RENAL DIALYSIS TECHNOLOGY) DEGREE EXAMINATION –**  
**January 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. When do you apply sampling techniques in the field of renal sciences? Explain with appropriate examples. .
3. Explain the various sampling techniques used to select a sample of 500 patients from the nephrology OPD.

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

4. Histogram
5. Non parametric tests
6. Skewness and kurtosis
7. International classification of diseases

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