

M.Sc. CLINICAL NUTRITION EXAMS
FIRST YEAR
PAPER VI – RESEARCH METHODS AND BIOSTATISTICS

Q.P. Code : 281306

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. The fasting blood glucose levels in 100 normal adults are given below. Find the Mean, standard deviation and coefficient of variation.

Blood glucose level	Number of adults
100-104	5
105-109	8
110-114	10
115-119	12
120-124	18
125-129	16
130-134	14
135-139	9
140-144	8

2. What are the types of data and explain the various methods of sampling techniques?

II. Write notes on:

(10 x 6 = 60)

1. Scope of Biostatistics in Nutrition.
2. Hypothesis testing.
3. Case control study.
4. Standard error of mean.
5. Type I error and type II error.
6. Mortality.
7. Student's 't' test.
8. Median test.
9. Variance test.
10. Difference between frequency polygon and frequency curve.
