

**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. Explain the various study designs in detail.
2. Find if there is any significant correlation between the height and weight given below:
Height in inches : 57 59 62 63 64 65 55 58 57
Weight in lbs : 113 117 126 126 130 129 111 116 112

II. Write notes on:

(10 x 6 = 60)

1. Epidemiology – definition, aim and development.
2. Quantitative and qualitative data with examples.
3. Cumulative frequency curves.
4. Methods of sampling techniques.
5. Application Chi-square test.
6. Measures of diagnostic efficacy.
7. Test of significance difference between two means.
8. Type I and Type II error.
9. Kolmogorov Smirnov test.
10. Merging and splitting of data files.
