

[LD 1013]

OCTOBER 2013

Sub. Code: 2862

M.Sc NON-MEDICAL DEGREE EXAMINATION

FIRST YEAR

BRANCH II - BIOSTATISTICS

PAPER II – EPIDEMIOLOGY AND DESIGN OF EXPERIMENTS

*Q.P. Code : 282862*

**Time : 3 hours**

**Maximum : 100 marks**

**I. Elaborate on :**

**(2X20=40)**

1. Explain the diagnosis tests in detail.
2. Write the statistical analysis of Balanced Incomplete Block Design.

**II. Write notes on :**

**(10X6=60)**

1. Explain the principles of Experimental Design.
2. Explain the Statistical analysis of CRD.
3. Explain total and partial confounding in a  $2^3$  factorial Experiment.
4. Discuss the various types of control.
5. What is an incubation period?
6. Write down the various measures of morbidity.
7. How will you screen for a disease.
8. What is meta analysis?
9. What is chromosomes?
10. What is Mutations?

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