M.Sc. BIOSTATISTICS EXAMS
FIRST YEAR
PAPER II – EPIDEMIOLOGY AND DESIGN OF EXPERIMENTS

Q.P. Code: 282862

Time: Three hours   **Maximum: 100 Marks**

I. Elaborate on: **(2 x 20 = 40)**

  1. Write the statistical analysis of balanced incomplete block design.

  2. What is Meta analysis? Explain the various procedures in detail on how to carry out Meta analysis.

II. Write notes on: **(10 x 6 = 60)**

  1. Explain the principles of experimental design.
  2. Explain the statistical analysis of CRD.
  3. Explain in detail about chromosomes.
  4. What is an incubation period?
  5. Write down the various measures of morbidity.
  6. Discuss the various types of control.
  7. Explain total and partial confounding in a 2^3 factorial experiment.
  8. Define classification of cause of death.
  9. Brief about split plot design and its advantages.
  10. What is Mutations?

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