

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[AHS 0321]

**MARCH 2021**

**Sub. Code: 2862**

**(OCTOBER 2020 EXAM SESSION)**

**M.Sc. BIOSTATISTICS**

**FIRST YEAR (From 2011-2012 onwards)**

**PAPER II – EPIDEMIOLOGY AND DESIGN OF EXPERIMENTS**

***Q.P. Code : 282862***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate notes on:**

**(2 x 20 = 40)**

1. Explain in detail of various study designs used in Epidemiology
2. Write in Detail about Meta analysis.

**II. Write Short Notes on:**

**(10x6 = 60)**

1. Population attributable risk
2. Retrospective Study.
3. Validity of the Measure.
4. Describe Agent, Host and environment
5. Advantages & disadvantages of matching in case control design.
6. Summarize multiple and parallel test.
7. Genetic epidemiology
8. Evaluate models and types of pedigree diagram
9. Masking in Clinical trials.
10. Incubation Period and Spectrum of Diseases.

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