

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

[PHARMD 0122]

**JANUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 3822

**PHARM 'D' AND PHARM. 'D' (POST BACCALAUREATE) DEGREE EXAMINATION
FOURTH YEAR
PAPER IV – BIOSTATISTICS AND RESEARCH METHODOLOGY
*Q.P. Code : 383822***

Time : Three hours

Answer ALL Questions

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Discuss about Sample size determination and power of study.
2. Explain various methods of Parametric methods.
3. Describe different types of inventory controls involved in hospital pharmacy.
4. Explain patient medication profile and medication order entry.

II. Write notes on:

(6 x 5 = 30)

1. Explain various types of report writing.
2. Summarize interventional and observational study design.
3. Write short notes on different types of Diagrams and Graphs.
4. Explain Analysis of Variance. (ANOVA)
5. Describe relative risk and attribute risk.
6. Discuss about drug information retrieval and storage.
