

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

[PHARMD 0522]

MAY 2022

Sub. Code: 3822

(APRIL 2022 EXAM SESSION)

PHARM 'D' AND PHARM. 'D' (POST BACCALAUREATE) DEGREE EXAMINATION

FOURTH YEAR

PAPER IV – BIOSTATISTICS AND RESEARCH METHODOLOGY

Q.P. Code : 383822

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Discuss about types of Clinical study design.
2. Explain application and procedure of Chi square test with an example.
3. Describe different types of statistical software.
4. Enumerate the uses of computer in Community Pharmacy.

II. Write notes on:

(6 x 5 = 30)

1. Explain types of sampling methods with a practical example.
2. Summarize determination of sample size and power of study.
3. Write short notes on standard deviation, Variance and Coefficient Variation with an example.
4. Distinguish between parametric and non parametric methods.
5. Describe incidence and prevalence.
6. Discuss about computerizing the prescription policy.
