

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

[LM 346]

MAY 2018

Sub. Code: 2907

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH II – PHARMACEUTICAL CHEMISTRY
PAPER IV – NATURAL PRODUCTS OF MEDICINAL INTEREST**

Q.P. Code : 262907

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the constitution of quinine.
2. a) Give the general method of isolation, identification and purification of cholesterol.
b) Discuss the S.A.R of corticosteroids with suitable examples.

II. Write notes on:

(10 x 6 = 60)

1. Describe structural elucidation of triterpenoids.
2. Give an account of teprotide and khellin.
3. Write a note on amino glycoside antibiotics.
4. Application of ORD and NMR in natural products.
5. Write the significance of pharmaceutical products based on rDNA technology.
6. Write the mechanism of action and chemistry of β -lactum antibiotics.
7. Write briefly on the natural products used as anti-diabetic agents.
8. Write short notes on psoralene.
9. Describe the chemistry of Rutin.
10. Provide a detailed note on Curcuma Longa Linn.
