

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

[LQ 0121]

JANUARY 2021

Sub. Code: 2946

(APRIL 2020 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION

SEMESTER-II (PCI New regulations 2016)

PHARMACEUTICAL CHEMISTRY – MPC

PAPER II – ADVANCED ORGANIC CHEMISTRY – II

Q.P. Code : 262946

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Explain solid phase peptide synthesis and coupling synthesis with example.
b) Discuss N-terminal residue analysis and C-terminal residue analysis.
2. Explain the principles and applications of green chemistry.

II. Write notes on:

(7 x 5 = 35)

1. Write a note on chiral pool synthesis.
2. Define catalysis. Write the types and advantages of catalysis.
3. Explain the basic principle of photochemical reactions.
4. Write short note on continuous flow reactions.
5. Explain C-terminal residue analysis.
6. Write a note on Fischer's D and L notation.
7. Give the types and applications of sonochemical reactions.
