

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

[LO 946]

MAY 2019

Sub. Code: 2946

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-II
BRANCH-II – PHARMACEUTICAL CHEMISTRY – MPC
PAPER II – ADVANCED ORGANIC CHEMISTRY – II

Q.P. Code : 262946

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Write briefly about photochemical reactions.
b) Explain photo oxidation and photo addition with suitable example.
2. a) What are microwave assisted reactions? Write merits and demerits.
b) Explain mechanism & superheating effects of microwave.

II. Write notes on:

(7 x 5 = 35)

1. Explain coupling reactions in peptide synthesis.
2. Discuss the types of sonochemical reactions.
3. What are sigmatropic rearrangement reaction?
4. Explain theory and applications of phase transfer catalysis.
5. Write a short note on E and Z notation.
6. Give the role of enzymes in organic synthesis.
7. What are the different methods of resolution of racemic mixture?
