



THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)

Re-accredited (2nd Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

Backlog Arrear Examination, March 2021

PGC 5522

ADVANCED ORGANIC CHEMISTRY-IV

Max: 75mks

Time: 3hrs

Answer any FIVE questions only:

(5x15=75)

1. Explain the synthesis of testosterone
2. Discuss in detail the applications of aliphatic nitro compounds in organic synthesis
3. Give six examples of drugs and their pharmacology
4. Describe the structure, reaction and applications of cyclodextrin
5. Retrosynthetically analyze antiasthma drug salbutamol. Give its forward synthesis
6. Write a note on QSAR
7. Discuss the structure, reaction and applications of Buckminster Fullerene
