



# THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)

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

## Backlog Arrear Examination, March 2021

**BCH 3526**

**Bioactive Compounds**

**Max Marks: 75**

**Time: 3 Hrs.**

### PART A

**I. Answer any Five questions each not exceeding 4 pages:**

**(5 x 15 = 75)**

1. Explain any 10 common drugs originating from traditional plants.
2. Write detailed account on antimicrobial and anticancer compounds.
3. Explain the formation, nomenclature and uses of glycosides.
4. What are tannins? Explain the biosynthesis of aromatic compounds via shikimic acid pathway.
5. Define terpenoids. How terpenoids are isolated, separated and purified by CCC.
6. Explain the plant constituents, sources and observations of anti- HIV activity.
7. Define drug designing. Write detailed account on the 2 types of drug designing.