



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

BCH 1431

Fundamentals of Biochemistry

Max Marks: 75

Time: 3 Hrs.

PART A

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

(5 x 15 = 75)

1. Define normality. Discuss the importance of biochemistry in medical field and agriculture field.
2. Explain the structure and importance of water molecule with a neat diagram.
3. Describe the simple diffusion and facilitated diffusion.
4. Write a detailed account on Van der Waals forces and ionic bonds.
5. Define pH. Explain the components and working of pH meter with a neat diagram.
6. Define Buffer. Derive Henderson-Hasselbach equation for an acid.
7. What is called SI units? Explain the multiple and submultiples of SI units and its application.
