



# 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 1534/2422**

**Human Physiology**

**Max Marks: 75**

**Time: 3 Hrs.**

### PART A

**Answer any FIVE questions each not exceeding 4 pages:**

**(5 x 15 = 75)**

1. Explain the structure and functions of adrenal gland.
2. Write detailed account on the role of enzymes in digestion of carbohydrates, proteins and lipids.
3. Describe in detail the coverings, layers, chambers and the great vessels of the heart with a neat diagram.
4. Define neurons. Explain the structure of neuron with neat a diagram.
5. Elaborate on the anatomy, internal structures and the blood supply to the kidney with a neat diagram. Add a note on the characteristics of urine.
6. Explain the mechanism of human breathing with suitable diagrammatic illustrations.
7. Define menstrual cycle. Explain the different phases of menstrual cycle.