



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

Physiology

Course Code: ZOO 394

Max Marks: 75

Time: 3Hour

Answer any FIVE Questions

(5X15=75)

1. Explain the structure of Malpighian tubules and glomerular mechanism.
2. Describe the structure of mammalian heart and capillary mechanism.
3. Write an essay on of respiratory gases.
4. Elucidate the Osmo-iono regulation in Elasmobranchs.
5. Describe the circadian rhythms with suitable example.
6. Illustrate the transmission of impulse through neuron and a synapse.
7. Explicate the role of hormones in reproduction.