



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 3642

Hormones & Human Behaviour

Max Marks: 75

Time: 3 Hrs.

PART A

Answer any FIVE questions each not exceeding 4 pages:

(5 x 15 = 75)

1. Describe thyroid hormone synthesis with a neat diagram.
2. Explain the sexual differentiation on the bone metabolism and body shape at puberty.
3. Explain causes, symptoms, diagnosis and treatment of Klinefelter syndrome
4. Define menstruation. Explain the role of hormones in menstrual cycle.
5. Describe the synthesis of steroid hormones. Add a note on importance of testosterone.
6. What is FSH? Describe on any two female sexual hormones and their female sexual behaviors.
7. Explain the structure, secretion and functions of oxytocin.