



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

Course Code: PHS 3285

Time: 2 hrs

Course Title: Coil Winding

Max: 60 marks

Part - A

Answer any four of the following questions

4 X 15 = 60

1. Differentiate conductor, semiconductor and insulator based on conducting property and Band gap.
2. Discuss the hysteresis curve for ferromagnetic magnetic materials with neat diagram.
3. Describe the working of winding coil with neat diagram.
4. Explain in detail about the Lap Winding and their advantages.
5. Describe the half coil winding and whole coil winding.
6. Obtain the expression for the equivalent capacitance of three capacitors connected in series and parallel connection.
