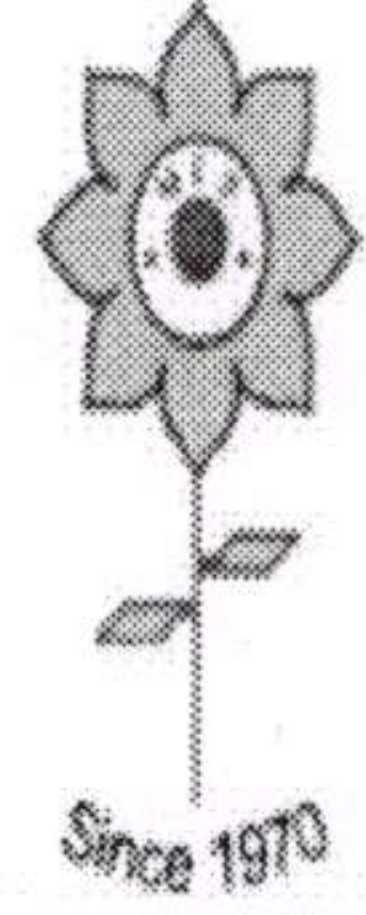




Inst. Code:
EN3207 | ME3207

MAHATMA EDUCATION SOCIETY'S
PILLAI COLLEGE OF ENGINEERING
(AUTONOMOUS)

Approved by AICTE, Recognized by Government of Maharashtra, Affiliated to University of Mumbai
Accredited by NAAC with A+ Grade



EXAMINATION TIME TABLE (JULY 2026)

Programme – First Year M.Tech Information Technology Engineering


SEMESTER II (ATKT) (2025-2026 BATCH)

Day and Date	Time	Course Code	Paper
TUESDAY, 7 JULY 2026	11.00 AM to 01.00 PM	ITE504	Linear Algebra for ML and Data Science
THURSDAY, 9 JULY 2026	11.00 AM to 01.00 PM	ITE505	Research Methodology & IPR Patenting
MONDAY, 13 JULY 2026	11.00 AM to 01.00 PM	ITE542	Deep Learning (DLOC IV)
WEDNESDAY, 15 JULY 2026	11.00 AM to 01.00 PM	ITE553	Big Data Analytics (DLOC V)
FRIDAY, 17 JULY 2026	11.00 AM to 01.00 PM	ITE563	Social Media Analytics (DLOC VI)

Important Note: Change if any, in the time table shall be communicated on the college website.

New Panvel



 Principal

8th April 2026

UNIVERSITY OF ENGINEERING & TECHNOLOGY
MADRAS

DEPARTMENT OF ELECTRICAL ENGINEERING

QUESTION PAPER FOR THE EXAMINATION

IN THE SUBJECT OF ELECTRICAL MACHINES

YEAR: 2019-2020

TIME: 3 HOURS

MARKS: 100

SECTION - I

1. A 4-pole, 50 Hz, star-connected synchronous motor has a synchronous reactance of 1.0 p.u. and a synchronous impedance of 1.0 p.u. The motor is operating at a leading power factor of 0.8. The terminal voltage is 1.0 p.u. Calculate the excitation voltage and the angle of the excitation voltage with respect to the terminal voltage.

2. A 4-pole, 50 Hz, star-connected synchronous motor has a synchronous reactance of 1.0 p.u. and a synchronous impedance of 1.0 p.u. The motor is operating at a leading power factor of 0.8. The terminal voltage is 1.0 p.u. Calculate the excitation voltage and the angle of the excitation voltage with respect to the terminal voltage.

3. A 4-pole, 50 Hz, star-connected synchronous motor has a synchronous reactance of 1.0 p.u. and a synchronous impedance of 1.0 p.u. The motor is operating at a leading power factor of 0.8. The terminal voltage is 1.0 p.u. Calculate the excitation voltage and the angle of the excitation voltage with respect to the terminal voltage.

