Estd. in 2001

Laxmi Seva Charitable Trust's (Regd.)

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

Website : www.tcetmumbai.in

Autonomous College Affiliated to University of Mumbai

Approved by All India Council for Technical Education(AICTE) and Government of Maharashtra(GoM)

Conferred Autonomous Status by University Grants Commission (UGC) for 10 years w.e.f. A.Y. 2019-20

Amongst Top 200 Colleges in the Country, Ranked 151st in NIRF India Ranking 2019 in Engineering College category

• ISO 9001:2015 Certified • Programmes Accredited by National Board of Accreditation (NBA), New Delhi

• Institute Accredited by National Assessment and Accreditation Council (NAAC), Bangalore

END SEMESTER EXAMINATION, DEC 2024

T.E. SEMESTER V (CBCGS-HME 2023)

Branch:	**INFORMATION TECHNOLOGY/COMPUTER ENGINEERING**	**Q.P. Code:**	**ED243CTR656-1**
Subject:	**FULL STACK DEVELOPMENT-I**	**Duration:**	**45 MINS**
Subject Code:	**HME –IT PS501/HME-CSPS501**	**Max. Marks:**	**15**

Instructions:
1. **All sections are compulsory**
2. **Figures to the right indicate full marks.**
3. **Assume suitable data if necessary and state the assumptions clearly.**

Descriptive Answer Questions **(15 Marks)**

Q. No.	Answer any 03 questions out of 05	Marks	CO	RBT Level
1	Explain the concept of Cron Jobs and how they are used to schedule tasks. Provide an example of scheduling a task to run every day at 2:00 AM.	5	CO1	U
2	Write a Data Definition Language (DDL) and DML script for an `Employee table` with the following fields: `EmpID`, `EmpName`, `Designation`, and `Salary`.	5	CO2	A
3	Write the code to create a REST API to implement various Employee class operations using any 3 HTTP methods (GET, POST, PUT, DELETE, PATCH).	5	CO4	A
4	What is the need of Logging in spring boot application? Write down the steps to implement Logger in spring boot application?	5	CO5	U
5	What is an exception handling? Write the code to handle the exception in spring boot application.	5	CO3	A