

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2025

B.Tech-VIII Semester (ECM)

COURSE CODE (CREDITS): 24B1WEM832 (2)

MAX. MARKS: 15

COURSE NAME: IoT

COURSE INSTRUCTORS: EPN

MAX. TIME: 1 Hour

Note: (a) All questions are compulsory.

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.No	Question	CO	Marks
Q1	Briefly explain how the connected devices evolved over time	CO-1	2
Q2	What are the essential features that characterize an IoT system, and how do they contribute to its functionality and effectiveness?	CO-1	2
Q3	What are the main components of an IoT ecosystem, and how do they interact to enable smart applications?	CO-2	2
Q4	What are the modern day applications of IoT? Briefly explain.	CO-2	2
Q5	Differentiate between transducer, sensor and actuator. What are the desirable characteristics of sensors?	CO-2	3
Q6	Briefly explain the following (a) Machine-to-Machine (M2M) communications, (b) Cyber-Physical-Systems (CPS) (c) Web-of-Things (WoT).	CO-1	4