Mandsaur University

FOE - B.Tech (Computer Science And Engineering)
CSE762 T
Internet of Things (Pattern - 2021)
Sem-V
2021-2025 Section-Div-2

Question No.	Description	Marks
1	Define IoT and explain its significance in modern technology.	2
2	What is the concept of "Cloud Computing" in the context of IoT, and why is it essential?	2
3	Briefly describe the core idea of "Fog Computing" and its role in IoT.	2
4	What is data aggregation, and why is it crucial for the successful implementation of IoT in Smart Cities?	2
5	Explain the key challenges faced in securing connected vehicles in IoT.	2
6	Discuss the advantages and disadvantages of using Cloud Computing for IoT solutions.	4
7	Analyze the concept of Fog Computing and provide a real-world scenario where it can significantly benefit an IoT application.	4
8	Elaborate on the security measures that can be taken to address privacy and security issues in IoT.	4
9	Explore the potential benefits of IoT in the context of connected vehicles and the challenges that come with it.	4
10	Describe the process of data aggregation in Smart Cities and its impact on improving city services	4
11	Design a hypothetical IoT system for optimizing traffic flow in a Smart City. Discuss the hardware, software, and data aggregation aspects in detail.	8
12	Imagine a futuristic IoT application that integrates Cloud, Fog, and Edge computing. Describe its potential benefits in a specific industry or domain.	8
13	Analyze the ethical and legal challenges associated with collecting and using data from IoT devices, and propose a framework for responsible data handling.	8
14	Create a detailed plan for securing a fleet of connected vehicles in a business enterprise, addressing potential threats and countermeasures.	8
15	Critically assess the future trends and emerging technologies in IoT, and their potential implications for society and industry.	8