Subject : Internet of Things(IoT)	Subject Code:21CST702 Odd Sem-2024
Faculty: Lavanya Santhosh	7 th Semester 'A & C' sec

UNIT 1: Introduction to IoT Questions

 What are different components required for IoT device? What effect will the internet of things (IoT) have on our daily lives? Explain with any one example of smart device. Explain in details IoT Architecture layers. 		
 What are different components required for IoT device? What effect will the internet of things (IoT) have on our daily lives? Explain with any one example of smart device. Explain in details IoT Architecture layers. Explain with example MQTT Protocol. What is role of MQTT protoco in IoT? Write a note on: CoAP, REST, XMPP. What are different IoT protocols? Explain IoT Application and Deployment Scenarios in different domains. Write note on: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain with example: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain IoT enabling technologies Explain IoT Levels in details with a suitable diagram. Write a note on IoT Deployment templates. (Any template can be asked with an application) Describe an example of IoT service that uses publish-subscribe communication model. What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System 		Explain Internet of Things (IoT) with example.
 What effect will the internet of things (IoT) have on our daily lives? Explain with any one example of smart device. Explain in details IoT Architecture layers. Explain with example MQTT Protocol. What is role of MQTT protocol in IoT? Write a note on: CoAP, REST, XMPP. What are different IoT protocols? Explain IoT Application and Deployment Scenarios in different domains. Write note on: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain with example: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain IoT enabling technologies Explain IoT Levels in details with a suitable diagram. Write a note on IoT Deployment templates. (Any template can be asked with an application) Describe an example of IoT service that uses publish-subscribe communication model. What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System 	2	What is the formal definition of IoT? Explain the characteristics of IoT
Explain with any one example of smart device. Explain in details IoT Architecture layers. Explain with example MQTT Protocol. What is role of MQTT protoco in IoT? Write a note on: CoAP, REST, XMPP. What are different IoT protocols? Explain IoT Application and Deployment Scenarios in different domains. Write note on: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain with example: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain IoT enabling technologies Explain IoT Levels in details with a suitable diagram. Write a note on IoT Deployment templates.(Any template can be asked with an application) Describe an example of IoT service that uses publish-subscribe communication model. What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System	3	What are different components required for IoT device?
 Explain in details IoT Architecture layers. Explain with example MQTT Protocol. What is role of MQTT protocol in IoT? Write a note on: CoAP, REST, XMPP. What are different IoT protocols? Explain IoT Application and Deployment Scenarios in different domains. Write note on: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain with example: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain IoT enabling technologies Explain IoT Levels in details with a suitable diagram. Write a note on IoT Deployment templates. (Any template can be asked with an application) Describe an example of IoT service that uses publish-subscribe communication model. What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System 	4	
 Explain with example MQTT Protocol. What is role of MQTT protocol in IoT? Write a note on: CoAP, REST, XMPP. What are different IoT protocols? Explain IoT Application and Deployment Scenarios in different domains. Write note on: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain with example: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain IoT enabling technologies Explain IoT Levels in details with a suitable diagram. Write a note on IoT Deployment templates. (Any template can be asked with an application) Describe an example of IoT service that uses publish-subscribe communication model. What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System 		
in IoT? Write a note on: CoAP, REST, XMPP. What are different IoT protocols? Explain IoT Application and Deployment Scenarios in different domains. Write note on: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain with example: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain IoT enabling technologies Explain IoT Levels in details with a suitable diagram. Write a note on IoT Deployment templates.(Any template can be asked with an application) Describe an example of IoT service that uses publish-subscribe communication model. What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System	5	Explain in details IoT Architecture layers.
 What are different IoT protocols? Explain IoT Application and Deployment Scenarios in different domains. Write note on: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain with example: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain IoT enabling technologies Explain IoT Levels in details with a suitable diagram. Write a note on IoT Deployment templates. (Any template can be asked with an application) Describe an example of IoT service that uses publish-subscribe communication model. What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System 	6	Explain with example MQTT Protocol. What is role of MQTT protocol in IoT?
9 Explain IoT Application and Deployment Scenarios in different domains. 10 Write note on: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. 11 Explain with example: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. 12 Explain IoT enabling technologies 13 Explain IoT Levels in details with a suitable diagram. 14 Write a note on IoT Deployment templates.(Any template can be asked with an application) 15 Describe an example of IoT service that uses publish-subscribe communication model. 16 What is the role of a,	7	Write a note on: CoAP, REST, XMPP.
domains. 10 Write note on: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. 11 Explain with example: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. 12 Explain IoT enabling technologies 13 Explain IoT Levels in details with a suitable diagram. 14 Write a note on IoT Deployment templates.(Any template can be asked with an application) 15 Describe an example of IoT service that uses publish-subscribe communication model. 16 What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System	8	What are different IoT protocols?
 Write note on: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain with example: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain IoT enabling technologies Explain IoT Levels in details with a suitable diagram. Write a note on IoT Deployment templates.(Any template can be asked with an application) Describe an example of IoT service that uses publish-subscribe communication model. What is the role of a, Coordinator in Wireless Sensor Network Controller service in an IoT System 	9	
HealthCare- Agriculture - Smart Grid. Explain with example: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain IoT enabling technologies Explain IoT Levels in details with a suitable diagram. Write a note on IoT Deployment templates.(Any template can be asked with an application) Describe an example of IoT service that uses publish-subscribe communication model. What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System		
 Explain with example: Wearable - Smart Cities- Smart Home - Smart HealthCare- Agriculture - Smart Grid. Explain IoT enabling technologies Explain IoT Levels in details with a suitable diagram. Write a note on IoT Deployment templates.(Any template can be asked with an application) Describe an example of IoT service that uses publish-subscribe communication model. What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System 	10	
Smart HealthCare- Agriculture - Smart Grid. 12 Explain IoT enabling technologies 13 Explain IoT Levels in details with a suitable diagram. 14 Write a note on IoT Deployment templates.(Any template can be asked with an application) 15 Describe an example of IoT service that uses publish-subscribe communication model. 16 What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System		HealthCare- Agriculture - Smart Grid.
 12 Explain IoT enabling technologies 13 Explain IoT Levels in details with a suitable diagram. 14 Write a note on IoT Deployment templates. (Any template can be asked with an application) 15 Describe an example of IoT service that uses publish-subscribe communication model. 16 What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System 	11	Explain with example: Wearable - Smart Cities- Smart Home -
 Explain IoT Levels in details with a suitable diagram. Write a note on IoT Deployment templates. (Any template can be asked with an application) Describe an example of IoT service that uses publish-subscribe communication model. What is the role of a, Coordinator in Wireless Sensor Network Controller service in an IoT System 		Smart HealthCare- Agriculture - Smart Grid.
 Write a note on IoT Deployment templates.(Any template can be asked with an application) Describe an example of IoT service that uses publish-subscribe communication model. What is the role of a, Coordinator in Wireless Sensor Network Controller service in an IoT System 	12	Explain IoT enabling technologies
asked with an application) 15 Describe an example of IoT service that uses publish-subscribe communication model. 16 What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System	13	Explain IoT Levels in details with a suitable diagram.
 Describe an example of IoT service that uses publish-subscribe communication model. What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System 	14	
communication model. 16 What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System		
16 What is the role of a, 1. Coordinator in Wireless Sensor Network 2. Controller service in an IoT System	15	1
Coordinator in Wireless Sensor Network Controller service in an IoT System		
2. Controller service in an IoT System	16	•
17 What are the architectural constraints of REST?		
	17	What are the architectural constraints of REST?

Describe an example of IoT service that uses WebSocket-based
communication
Describe an example of IoT service that uses publish-subscribe
communication model.
Describe an example of IoT service that uses WebSocket-based
communication.
Explain the exclusive pair model used by WebSocket API's.

NOTE

- Questions can be based on these topics.
- Questions are not restricted only to the above mentioned.