

MTE -OE-IoT and Application ECE-932

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9. Websocket API's allow communication which is

- ☒ • Bidirectional
- ☐ • Half Duplex
- ☐ • Single direction

Clear selection

2. A value proposition is part of a company's overall

- ☒ • marketing strategy
- ☐ • design strategy
- ☐ • production strategy

Clear selection

22. Is being used by Internet of Things

- ☒ Radio Identification Technology
- ☐ Satellite
- ☐ Cable
- ☐ Broadband

Clear selection



5.For Smart Medication the extensive care is

- ☐ • Horizontal proposition
- ☒ • Vertical proposition

Clear selection

11.Brokers are involved in which communication model

- ☐ • Request Response
- ☐ • Client Server
- ☒ • Publish Subscribe

Clear selection

24. Which is not one of the feature of Internet of things devices?

- ☐ Remotely controllable
- ☐ Programmable
- ☐ Can turn themselves off if necessary
- ☒ Above All are features

Clear selection



33. Web service can be either implemented using HTTP and REST principles (REST service) or using WebSocket protocol (WebSocket service).

- ☒ True
- ☐ False

Clear selection

14 .Internet layer protocol is

- ☒ • 6LOWPAN
- ☐ • COAP
- ☐ • MQTT

Clear selection

16 A collection of lines that connects several devices is called

- ☒ o a. Bus
- ☐ o b. Cable
- ☐ o c. Power line
- ☐ o d. Transmission Line

Clear selection



34. Which statement is true for IoT level -4 system:

- ☐ IoT system has a single node.
- ☐ IoT system has multiple end nodes and one coordinator node.
- ☒ multiple nodes that perform local analysis.
- ☐ system has multiple independent end nodes that perform sensing and/or actuation and send data to the cloud.

Clear selection

Roll Number

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35. The emphasis of M2M is more on hardware with embedded modules, the emphasis of IoT is more on software, statement is:

- ☒ TRUE
- ☐ False

Clear selection

OE-IoT Section

A



26. Which one of this is not a networking device

- ☐ a. Router
- ☐ b. Switch
- ☐ c. Bridge
- ☒ d. Traffic Analyzer

Clear selection

37. Which is not a Key elements of SDN:

- ☐ Centralized Network Controller
- ☐ Programmable Open APIs
- ☐ Standard Communication Interface
- ☒ SDN is a technology that leverages virtualization to consolidate the heterogeneous network

Clear selection

Name

Ganesh Goel



27. What is Inter Integrated Communication(I2C):

- ☐ a. An application layer protocol
- ☒ b. A networking communication protocol for multi-master support
- ☐ c. An OS for distributed network communication
- ☐ d. A cellular communication protocol

Clear selection

17. The networks layer concerns with

- ☐ o a. bits
- ☐ o b. frames
- ☐ o c. none of the mentioned
- ☒ o d. packets

Clear selection

25. What is the use of Ping command:

- ☐ a. To know network speed
- ☐ b. None of the above
- ☒ c. To test a host on the network is reachable
- ☐ d. To test storage device

Clear selection



30. Which is not a Link Layer layer protocol•• •

- ☐ 802.3 – Ethernet
- ☐ 802.11 – WiFi
- ☐ 802.16 – WiMax16
- ☒ 6LoWPAN

Clear selection

4.For SMART WASTE MANAGEMENT the Energy efficiency is

- ☐ • Horizontal proposition
- ☒ • Vertical proposition

Clear selection

32. Which component is not an part of IoT system :

- ☐ Device
- ☐ Resource
- ☐ Controller Service
- ☒ All of the above

Clear selection



6.For SMART METERING the cheaper cost is

- ☐ • Horizontal proposition
- ☒ • Vertical proposition

Clear selection

System Id

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13 Link layer protocol is

- ☐ • 802.3
- ☐ • 802.5
- ☒ • 802.11

Clear selection

3.For SMART STREET LIGHTNING the ICT infrastructure is

- ☒ • Horizontal proposition
- ☐ • Vertical proposition

Clear selection



20. What risks and challenges should be considered in Internet of Things

- ☐ Privacy and Security
- ☐ Energy Consumption
- ☐ Network Security
- ☒ All of the above

Clear selection

40. IoT gateway must provide _____

- ☐ a) Simple and fast installation
- ☐ b) Security with hardware
- ☐ c) Data storage
- ☒ d) Protocol abstraction

Clear selection

23. When was the term IoT first coined?

- ☐ 1998
- ☒ 1999
- ☐ 2000
- ☐ 2001

Clear selection



31. Which statement is correct about the Request-Response communication model

- ☐ communication model that involves publishers, brokers and consumers.
- ☒ communication model in which the client sends requests to the server and the server responds to the [requestrequests.to](#) the requests.
- ☐ communication model in which the data producers push the data to queues and the consumers pull the data
- ☐ communication model that uses a persistent connection between the client and server

Clear selection

7.Wired or Cellular network is used for Connectivity in

- ☒ • M2M
- ☐ • IoT
- ☐ • IIoT

Clear selection

10.Rest API's follow the communication model

- ☒ • Request Response
- ☐ • Client Server
- ☐ • Push pull

Clear selection



8.Solutions are more scalable in

- ☐ • M2M
- ☒ • IoT

Clear selection

39. IoT-A reference model is a _____

- ☐ a) Scalable
- ☐ b) Secure
- ☒ c) Both scalable and secure
- ☐ d) Neither scalable nor secure

Clear selection

19 Which one is not an element of IoT

- ☐ o People
- ☐ o Process
- ☒ o Security
- ☐ o Things

Clear selection



28. The "Things" in IoT usually refers to IoT devices which have

- ☐ unique identities
- ☐ remote sensing
- ☐ actuating and Monitoring
- ☒ All of the above

Clear selection

21. Who invented Internet of Things

- ☐ Bill Gates
- ☒ Kevin Ashton
- ☐ Steve Jobs
- ☐ Mc Donalds

Clear selection

36. Software-Defined Networking(SDN) is

- ☐ a networking architecture that separates the control plane from the data plane
- ☐ centralizes the network controller.
- ☐ a unified view of the network and make configuration, management and provisioning simpler.
- ☒ All of the above

Clear selection



29. Among the options given below which is not the characteristics of IoT network

- ☐ Dynamic & Self-Adapting
- ☐ Self-Configuring
- ☐ Interoperable Communication Protocols
- ☒ Rigidity

Clear selection

18 What is internet?

- ☐ o a. interconnection of local area networks
- ☒ o b. a vast collection of different networks
- ☐ o c. a single network
- ☐ o d. none of the mentioned

Clear selection

1.The Knowledge hierarchy semantics correspond to which layer

- ☐ • Data
- ☒ • Wisdom
- ☐ • Information

Clear selection



15. Which one out of these is not a data link layer technology:

- ☐ o a. Bluetooth
- ☐ o b. UART
- ☐ o c. Wi-Fi
- ☒ o d. HTTP

Clear selection

38. API architecture not only includes critical elements but also caters for

- ☐ a) System
- ☐ b) Devices
- ☐ c) Network
- ☒ d) Multi homing

Clear selection

12. Queues are used in

- ☐ • Request Response
- ☐ • Client Server
- ☒ • Push pull

Clear selection



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