SYBCA SEM-4
402-IOT (Internet of Things)

Unit: 1 Introduction of Internet of Things

Q-1 what is the full form of IoT?
- A. Incorporate of Things
- B. **Internet of Things**
- C. Incorporate of Technology
- D. Internet of Technology

Q-2 _____ are the applications of IOT
- A. House
- B. Virtual environment
- C. Regional office
- D. **All**

Q-3 Who coined the term "Internet of Things"?
- A. John Wright
- B. **Kevin Aston**
- C. George Garton
- D. Edward Jameson

Q-4 What is IoT?
- A. **Network of physical objects embedded with sensors**
- B. Network of virtual objects
- C. Network of objects in the ring structure
- D. Network of sensors

Q-5 Which of the following protocol isn't extremely well suited to IoT devices
- A. WIFI
- B. LR WPAN
- C. MQTT
- D. **Web Socket**

Q-6 which of the following is true for IoT?
- A. Based on interoperable communication protocols
- B. Is a network of things
- C. physical or virtual things have identities
- D. **All of these**

Q-7 An IoT network is a collection of _____ devices.
  A. Machine to Machine
  B. Signal
  C. Interconnected
  D.   Network to Network

Q-8 What is the full form of MQTT
  A. Message Queue Telemetry Transport
  B. Message Queing Telemetry Transport
  C. Multi Queue Telemetry Transport
  D. Message Queue Telemetry Transfer

Q-9 How many numbers of the element in the open IoT architecture?
  A. Five elements
  B. Four elements
  C. Seven elements
  D. Six elements

Q-10 DAS performs:
  A. Data Aggregation
  B. Conversion Function
  C. Converting analog data of sensor to digital data
  D. All of above

Q-11 What is the full form of the LPWAN?
  A. Low Protocol Wide Area Network
  B. Low Power Wide Area Network
  C. Long Protocol Wide Area Network
  D. Long Power Wide Area Network

Q-12 _____ is an OASIS standard messaging protocol for the Internet of Things (IoT)
  A. Web Socket
  B. MQTT
  C. 4G LTE
  D. IPv5

Q-13 Which of the following is the way in which an IoT device is associated with data?
  A. Cloud
  B. Automata
  C. Internet
  D. Network

Q-14 Which device(s) is/ are present on sensing layer?
- A. Sensors
- B. Actuators
- C. Both A & B
- D. None A & B

Q-15 What is the full form of AMQP
- A. Advance Messages Queuing Protocol
- B. Application Message Queuing Protocol
- C. Advance Messages Queue Protocol
- D. Advance Messages Queue Publishing

Q-16 Which of the following is correct order?
- A. Knowledge - Information - Raw Facts
- B. Raw facts - Information - Knowledge
- C. Information - Knowledge - Raw Facts
- D. information - Raw Facts – Knowledge

Q-17 Which layer is used for wireless connection in IoT devices?
- A. Application layer
- B. Data link layer
- C. Network layer
- D. Transport layer

Q-18 IoT-A stands for _____
- A. Industrial of things Architecture
- B. Internet of Things Area
- C. Internet of Things Address
- D. Internet of Things Architecture

Q-19 The number of addresses in IPV4 is _____
- A. 2^32
- B. 2^8
- C. 2^4
- D. 2^128

Q-20 Which of the following protocol is inspired by the social behaviour of Bees, of work together/cooperatively to tackle complex task?
- A. ZigBee
- B. LR-WPAN
- C. WiMAX
- D. WiFi

Q-21 In which Communication model, the communication is full-duplex and the connection between the client and the server is persistent?
- A. Request-Response Model
- B. Push-Pull Model
- C. Publish-Subscribe Model
- D. Exclusive-Pair model

Q-22 IPV6 holds_____bit
- A. 32
- B. 64
- C. 128
- D. 256

Q-23 Which of the following IoT networks has a very short range?
- A. Short Network
- B. Short-range Wireless Network
- C. LPWAN
- D. SigFox

Q-24 Which of the following is false about IoT devices?
- A. IoT devices need microcontrollers
- B. IoT devices use the internet for collecting and sharing data
- C. IoT devices use wireless technology
- D. IoT devices are completely safe

Q-25 Which one of the following is not an IoT device?
- A. Amazon echo voice controller
- B. Nest Smoke Alarm
- C. Google Home
- D. None of these

Q-26 An IoT device can communication over _____.
- A. WiFi
- B. Ethernet
- C. 2G/3G/4G
- D. All of the above

Q-27 Which of the following layer is not a part of IOT Architecture?
- A. Sensing Layer
- B. Application Layer
- C. Physical Layer
- D. Network Layer

Q-28 Architecture of IoT have/ has layer(s) :
- A. Sensing Layer
- B. Application Layer
- C. Network Layer
- D. **All of these**

Q-29 The IPV4 developed in _____:
- A. **1974**
- B. 1980
- C. 2000
- D. None of these

Q-30 What is the main purpose of WoT (Web of Things) in the IoT
- A. Reduce the security
- B. **Improve the usability and interoperability**
- C. Complex the development
- D. Increase the cost

Q-31 _____ converts energy into motion.
- A. Sensor
- B. **Actuator**
- C. WIFI
- D. MQTT

Q-32 UDP and TCP are called _____ protocols.
- A. Application
- B. Session
- C. **Transport**
- D. Network

Q-33 The IPV6 developed in _____
- A. **1998**
- B. 1980
- C. 2000
- D. None

Q-34 The IPV4 has a _____ notation for addressing.
- A. **Dotted Decimal**
- B. Hexadecimal
- C. Both A and B
- D. None of the above

Q-35 Which of the following communication model uses broker?
   A. Request-Response
   B. Push-pull
   C. Pub-Sub
   D. Exclusive Pair

Q-36 Which of the following protocol is used to link all the devices in the IoT?
   A. HTTP
   B. UDP
   C. Network
   D. TCP/IP

Q-37 Disadvantages of IoT is:
   A. Support wide range of data collections
   B. Reduced waste
   C. Flexibility
   D. Support for technology optimization

Q-38 _____ allows the user to control electronic components.
   A. Android API
   B. RETful API
   C. MQTT API
   D. CoAP API

Q-39 Which of the following is not a type of actuator
   A. Electric
   B. IPv6
   C. Pneumatic
   D. Hydraulic

Q-40 What is Full Form of TCP?
   A. Transfer Control Protocol
   B. Test Control Protocol
   C. Transmission Control Protocol
   D. Transport Control Protocol

Q-41 What is the role of Cloud in smart grid architecture of IoT?
   A. Security
   B. Collect
   C. Manage Data
   D. Store Data

Q-42 802.3 Ethernet protocol used in which layer?
   A. Application Layer
   B. Transport Layer
   C. Network Layer
   D. Link Layer

Q-43 A request from client is basically made of _____.
   A. Method
   B. Task
   C. Event
   D. Signal

Q-44 Camera can be used as _____.
   A. Sensor
   B. Actuator
   C. WIFI
   D. MQTT

Q-45 _____ are the characteristics of IOT.
   A. Intelligence, scalable
   B. Security
   C. Heterogeneity
   D. All of the above

Q-46 Active Engagement Features of IOT means?
   A. IoT makes the connected technology, product, or services to active engagement between each other.
   B. It makes the complete failure of the system.
   C. IoT makes things smart and enhances life through the use of data.
   D. None of the above

Q-47 Which is at the lowest layer in the IoT architecture?
   A. Gateway
   B. Smart devices
   C. Cloud
   D. Service management

Q-48 Which protocol provides server push?
   A. SPI
   B. MQTT
   C. HTTP
   D. CoAP

Q-49 Which of the following layers provides end-to-end communication in IoT?
    A. Logical Layer
    B. Data Link Layer
    C. Transport Layer
    D. Session Layer

Q-50 The header size is fixed in _____
    A. IPV4
    B. IPV6
    C. Both A & B
    D. None of these

Q-51 Which of the following is/are a part of functional blocks in IOT?
    A. Device
    B. Communications
    C. Management
    D. All of these

Q-52 How many types of message formats are there in HTTP protocol?
    A. 4 Types
    B. 3 Types
    C. 2 Types
    D. 5 Types

Q-53 What is the full form of ICT
    A. InterConnect Technology
    B. Internet Connection Topology
    C. Information and Communication Technology
    D. Infer Communication Topology.

Q-54 _____ transmits and receives data through cables.
    A. Ethernet
    B. WIFI
    C. LR WPAN
    D. Web Socket

Q-55 Which of the following segment indicates the protection for device integrity?
    A. Cloud
    B. Endpoint Protection
    C. Cloud Privacy Protection
    D. Mobile Device Management

Q-56 Terms SSL and TLS stand for_____
   A. Secure Socket Layers and Transport Layer Session
   B. Secure Socket Layout and Transport Level Session
   C. Secure Socket Layers and Transport Layer Security
   D. Session Socket Layers and Transport Layer Session

Q-57 Full Form of DAS is _____
   A. Data Admin System
   B. Data Administration System
   C. Data Acquisition System
   D. None

Q-58 A ……. tends to convert physical attribute to an electrical signal.
   A. Actuator
   B. Compiler
   C. Sensor
   D. Motors

Q-59 Full Form of IETF
   A. Internet Engineering Task Force
   B. Intranet Extranet Task Force
   C. Internet Extra Take Form
   D. None

Q-60 Full Form of DDS
   A. Data Definition System
   B. Data Definitely System
   C. Data Distribution Service
   D. Data Definition System Language

Q-61 Which of the following is the most important characteristics for any IOT-enabled device?
   A. Connectivity
   B. Reliability
   C. Simplicity
   D.   Readability