

Roll No: - _____

SEM-V Diploma Exam 2022 (Odd)
(Common) (Theory)

[Time: 3 Hours]

Internet of Things (Basics) (2000505C)

[Max. Marks: 70]

- All questions are compulsory.
- Marks are mentioned on the right side of each question.

Group (A)

Q.1 Choose the most suitable answer the following options.

(1*20=20)

i. Which of the following class handles Publishing messages?

- (a) Publish() (b) Server() (c) Client() (d) Batch()

ii. Which of the following is not a networking device?

- (a) Switch (b) Traffic Analyzer (c) Network (d) Bridge

iii. Which of the following is the way in which an IoT device is associated with data?

- (a) Internet (b) Cloud (c) Automata (d) Network

iv. An IoT network is a collection of _____ devices.

- (a) Signal (b) Machine to Machine (c) Interconnected (d) Network to Network

v. _____ allows the user to control electronic components.

- (a) Android API (b) RETful API (c) MQTT API (d) CoAP API

vi. What is the role of Big Data in IoT's Smart Grid architecture?

- (a) Filter the data (b) Locked the data (c) Store data (d) None of the these

vii. What is another name of the tactile sensor?

- (a) Weight sensor (b) Imaging sensor (c) Proximity sensor (d) Touch sensor

viii. Which of the following is the type of SPI controller?

- (a) Micro-wire or plus (b) Microwire (c) Data SPI (d) Queued SPI

ix. What is the standard port number of secure MQTT?

- (a) 1883 (b) 8000 (c) 8883 (d) 8888

x. What is the full form of ICT?

- (a) Inters Connect Technology (c) Information and Communication Technology
(b) Internet Connection Topology (d) Infer Communication Topology

xi. IoT Stands for _____

- (a) Internet of Things (b) Internet of Technology (c) Incorporate of Things (d) Incorporate of Technology

xii. The automation of communication between devices, with no human intervention.

- (a) Sensor (b) Machine to Machine (M2M) (c) Big Data (d) Wearables

xiii. Which of the following can be considered smart devices?

- (a) Devices that are able to communicate with each other without the need of human intervention.
(b) Devices that use a number of sensors to gather information from its environment.
(c) Devices that can receive a command from another device.
(d) All of the above.

63/m/20

A-2 6-2 75

- xiv. What does a DHT sensor measure?
(a) Temperature (b) Humidity (c) Both (a) and (b) (d) None of the above
- xv. Which of the following is the way in which an IoT device is associated with data?
(a) Internet (b) Cloud (c) Automata (d) Network
- xvi. Which of the following is not an application of IoT?
(a) Wearables (b) Smart Grid (c) RaspberryPi (d) Smart City
- xvii. IIOT Stands For _____
(a) Intense Internet of Things (c) Industrial Internet of Things
(b) Index Internet of Technology (d) Incorporate Internet of Technology
- xviii. Which of the following is not an IoT platform?
(a) Amazon Web Services (b) Microsoft Azure (c) Salesforce (d) Flipkart
- xix. Which of the following is used to capture data from the physical world in IoT devices?
(a) Sensors (b) Actuators (c) Microprocessors (d) Microcontrollers
- xx. Which of the following is false about IoT devices?
(a) IoT devices use the internet for collecting and sharing data
(b) IoT devices need microcontrollers
(c) IoT devices use wireless technology
(d) IoT devices are completely safe

Group (B)

- Q.2 What is the objective for IoT? 4
- Q.3 What Is the IOTA Tangle? 4
- Q.4 What is the Benefits of the Internet of Things? 4
- Q.5 What are the top three challenges for IoT? 4
- Q.6 Which device is called IoT device? 4

Group (C)

- Q.7 What are the layers of IoT? 6
- Q.8 What is the key value of IoT? 6
- Q.9 What is the purpose of IoT in industry? 6
- Q.10 Which protocol is used in IoT? 6
- Q.11 How big data is important in IoT? 6
