Cloud Computing

Assignment-Week 8
TYPE OF QUESTION: MCQ/MSQ

Number of questions: 10   **Total mark: 10 X 1 = 10**

QUESTION 1:

An IoT platform's basic building blocks is/ are (choose the correct option(s)).

a. Gateway

b. Images

c. Network and Cloud

d. Containers

Correct Answer: a, c

Detailed Solution: An IoT platform has three basic building blocks, Things, Gateway, and Network and Cloud. Lecture 39, 10:09 min.

QUESTION 2:

_____ is used to delete a local image.

a. Docker rm

b. Docker rmi

c. Docker rvi

d. Docker push

Correct Answer: b

Detailed Solution: Docker rmi is used to delete a local image. So, the correct option is (b).

QUESTION 3:

Docker Hub is a registry used to host various docker images.

a) True

b) False

Correct Answer: (a)

Detailed Solution: Docker Hub is a registry used to host various docker images.

QUESTION 4:

_____ enables different networks, spreads in a huge geographical area to connect together and be employed simultaneously by multiple users on demand.

a) Serverless

b) IoT Cloud

c) Sensor Cloud

d) Green Cloud

Correct Answer: c

Detailed Solution: Sensor Cloud enables different networks, spreads in a huge geographical area to connect together and be employed simultaneously by multiple users on demand. Lecture 38, 20:27

QUESTION 5:

Virtual machines get virtual access to host resources through a _____

a) Containers

b) Hypervisor

c) Both a and b

d) Images

Correct Answer: b

Detailed Solution: Virtual machines get virtual access to host resources through a hypervisor. So, the correct option is (b). Lecture 36, 24:10

QUESTION 6:

Vehicles providing their networking and data processing capabilities to other vehicles through the cloud comes under which service of IoT-based Vehicular Data Clouds.

a) SaaS

b) PaaS

c) IaaS

d) None of these

Correct Answer: c

Detailed Solution: Vehicles provide their networking and data processing capabilities to other vehicles through the cloud comes under the Networking and Data processing as a service (IaaS)

QUESTION 7:

Sensor data can be easily shared by different groups of users without any extra effort/ measure.

a. True

b. False

Correct Answer: b

Detailed Solution: One of the limitations of Sensor Networks is "Sensor data can not be easily shared by different groups of users." Hence, the correct option is (b). Lecture 38, 9:32 min.

QUESTION 8:

Container is a compile time instance of an image.

a) True
b) False

Correct Answer: (b)
Detailed Solution::Container is a run time instance of an image.

QUESTION 9:

In the context of Green Cloud Computing, the Power Usage Effectiveness is defined as

a. Power Delivered / Overall Power
b. Overall Power / Power Delivered
c. Overall Power * Power Delivered
d. None of these

Correct Answer: b
Detailed Solution: In the context of Green Cloud Computing, the Power Usage Effectiveness is defined as Overall Power / Power Delivered. So, the correct option is (b). Lecture 37, 28:45 min.

QUESTION 10:

Statement 1: Sensor-Cloud proxy exposes sensor resources as cloud services.
Statement 2: Sensor network is still managed from the Sensor-Cloud Interface via Sensor Network Proxy

a. Statement 1 is True and Statement 2 is False
b. Statement 2 is True and Statement 1 is False
c. Both statements are True
d. Both statements are False

Correct Answer: c
Detailed Solution: Sensor cloud proxy exposes sensor resources as cloud services.
 Sensor network is still managed from the Sensor-Cloud Interface via Sensor Network Proxy.
Lecture 38, 21:43 min.- 22:09 min.