Cloud Computing

Assignment-Week 8

TYPE OF QUESTION: MCQ/MSQ

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

QUESTION 1:

For sensor resources that do not have direct connection to the cloud, sensor network proxy provides the connection.

a) True

b) False

Correct Answer: a

Detailed Solution: For sensor resources that do not have direct connection to the cloud, sensor network proxy provides the connection. So, the correct option is (a). Lecture 38, 22:10 min.

QUESTION 2:

Docker compose is a tool for defining and running multi-container Docker applications.

a) True

b) False

Correct Answer: a

Detailed Solution: Docker compose is a tool for defining and running multi-container Docker applications. So, the correct option is (a). Lecture 36, 18:17 min.

QUESTION 3:

What does "**ps**" signify as per Container terminology?

   a) List of all containers
   b) List of all running containers
   c) List of all stopped containers
   d) List of all warm containers

Correct Answer: b

Detailed Solution: ps : list all running containers

ps -a : list all containers (including stopped). Lecture 36, 29:58 min.

QUESTION 4:

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

QUESTION 5:

Choose the most appropriate option.

Statement 1: An image is a lightweight, stand-alone, executable package that includes everything
to run a piece of software.

Statement 2:Container is a run time instance of an image.

a. Statement 1 is correct but Statement 2 is incorrect

b. Statement 2 is correct but Statement 1 is incorrect

c. Both the statements are correct

d. Both the statements are incorrect.

Correct Answer: c

Detailed Solution: Both the statements are correct. Lecture 36, 20:51 min

QUESTION 6:

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 7:

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 8:

Docker rmi is used to delete a local _____
a. image
b. container
c. volume
d. node
Correct Answer: a
Detailed Solution: Docker rmi is used to delete a local image. So, the correct option is (a).

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:

Vehicles providing their networking and data processing capabilities to other vehicles through the cloud come 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) of IoT-based Vehicular Data Clouds under IaaS service. Hence, the correct option is (c). Lecture 39, 28:02 min.