



**Introduction to  
Internet of Things  
Assignment-Week 8**

**TYPE OF QUESTION: MCQ/MSQ**

**Number of questions: 15**

**Total marks: 15 X 1 = 15**

---

**QUESTION 1:**

What is Sensor Openflow?

- a. A traditional routing protocol
- b. A queue management protocol
- c. An SDN protocol tailored for IoT devices**
- d. A physical connectivity protocol.

**Correct Answer: c.** An SDN protocol tailored for IoT devices.

**Detailed Solution:** Refer Lecture 36@1:38

---

**QUESTION 2:**

With respect to Mobi-Flow, how does Mobi-Flow fare in comparison to Conventional networking in terms of message overhead?

- a. Mobi-Flow > Conventional
- b. Mobi-Flow < Conventional**
- c. Mobi-Flow = Conventional
- d. None of the given



---

**Correct Answer: b. Mobi-Flow < Conventional**

**Detailed Solution:** Refer Lecture 36@16:08.

---

**QUESTION 3:**

Virtual Machines came before Cloud Computing.

- a. True
- b. False

**Correct Answer: a. True**

**Detailed Solution** Virtual Machines came before Cloud Computing. Refer Lecture 37@8:00

---

**QUESTION 4:**

Private cloud services cannot provide Software-as-a-Service (SaaS).

- a. True
- b. False

**Correct Answer: b. False**

**Detailed Solution:** Any cloud deployment model can provide any cloud service model. Refer Lecture 37@14:36.

---

**QUESTION 5:**

Which among the following is a solution for mobility-aware flow rule placement in SDIoT?



- a. Mobility-Flow
- b. Mobile-Flow
- c. **Mobi-Flow**
- d. M-Flow

**Correct Answer: c. Mobi-Flow**

**Detailed Answer:** Mobi-Flow has been proposed to provide a solution for mobility-aware flow rule placement. Refer Lecture 36@13:09 onwards

---

#### **QUESTION 6:**

An organization A wants to deploy a cloud infrastructure, whereby it wants to push majority of the data to a cloud whose servers can be situated anywhere within the globe, but it wants certain private data to be pushed only to cloud servers that are present on-premise and are accessible by only authenticated members of the organization. In this context which among the following deployment model should be used?

- a. Private Cloud
- b. Public Cloud
- c. **Hybrid Cloud**
- d. Any of these

**Correct Answer: c. Hybrid Cloud**

**Detailed Solution:** Hybrid cloud deployment model supports both the features of public and private cloud. Refer lecture 37, ppt No. 18.

---

#### **QUESTION 7:**



Which among the following is the most on-premise cloud deployment model?

- a. Private Cloud
- b. Public cloud
- c. IaaS
- d. PaaS

**Correct Answer:** a. Private Cloud

**Detailed Solution:** Refer Lecture 37@33:31.

---

### **QUESTION 8:**

Which of the following type of client requires constant communication/connection with the cloud server?

- a. Thin client
- b. Thick client
- c. Both thin and thick clients
- d. None of these

**Correct Answer:** a. Thin client

**Detailed Answer:** A thin client is a network computer without a hard disk drive and high configurations. They act as simple terminals and require constant communication with the servers.

(Please refer Lecture 37@20:00)

---



**QUESTION 9:**

What does 'CIA' in cloud data security stand for?

- a. Confidentiality, Integrity, Availability
- b. Confidentiality, Inheritance, Automation
- c. Congestion, Integrity, Authentication
- d. Criticality, Integrity, Accountability

**Correct Answer: a. Confidentiality, Integrity, Availability**

**Detailed Solution:** 'CIA' stands for 'Confidentiality, Integrity and Availability'. (Please refer

Lecture 39@21:01)

**QUESTION 10:**

When you are accessing Spotify online for listening to music from your browser without specifically installing them, which among the following cloud service models is the most appropriate one that you are using.

- a. SaaS
- b. PaaS
- c. IaaS
- d. DaaS



**Correct Answer: a. SaaS**

**Detailed Solution:** This is an example of SaaS, since you are accessing a word/document processing software as a client over the network. The actual software itself runs on some remote cloud server (Please refer Lecture 37@26:14 AND 38@13:16)

---

**QUESTION 11:**

With respect to Cloud Computing security, which of the following are necessary

- a. Network Level Security but not Host Level Security
- b. Application Level Security but not Host Level Security
- c. Host Level Security but not Network Level Security
- d. All of Network, Host and Application Level Security.

**Correct Answer: d.** All of Network, Host and Application Level Security

**Detailed Solution:** Refer Lecture 39 Cloud Security.

---

**QUESTION 12:**

Data security and client authentication is an issue in which of the following cloud service models?

- a. SaaS
- b. SaaS and PaaS
- c. IaaS
- d. All of them

**Correct Answer: d.** All of them

**Detailed Solution:** Security is a pertinent issue in all of the cloud service models, which includes SaaS, PaaS and IaaS. Refer to any standard discussion on challenges and issues on cloud computing and Lecture



39.

---

**QUESTION 13:**

What is the role of a Hypervisor (most probable answer)?

- a. To facilitate installation of a router
  - b. To provide a platform for executing virtual machines**
  - c. To facilitate sensor fabrication
  - d. To communicate between switches themselves.
- 

**Correct Answer: b.** To provide a platform for executing virtual machines.

**Detailed Solution:** Refer Lecture 38@5:40.

---

**QUESTION 14:**

Which of the following is a limitation of SaaS?

- a. Remote software execution
- b. Platform independence
- c. Centralized control**
- d. None of these.

**Correct Answer: c.** Centralized control

**Detailed Solution:** Refer Lecture 38@15:58.

---



**QUESTION 15:**

Fill in the blank.

\_\_\_\_\_ means independent of device or location.

- a. Scalable
- b. Reliability
- c. Agile
- d. Ubiquitous

**Correct Answer: d. Ubiquitous**

**Detailed Solution:** Ubiquitous means independent of device or location.

(Please refer Lecture 37@18:06)

\*\*\*\*\***END**\*\*\*\*\*