30 Lecture - CS410

Important Mcqs

**0	uestion	1	**
\sim	ucsuun	_	•

What does SDN stand for in the context of network programming?

- a) Secure Data Network
- b) Software Defined Network
- c) Systematic Data Node
- d) Synchronous Data Network

Solution: b) Software Defined Network

Question 2:

Which technology allows for the creation of isolated network environments within a physical network?

- a) Software Defined Networking (SDN)
- b) Network Virtualization
- c) Cloud Integration
- d) Microservices Architecture

Solution: b) Network Virtualization

Question 3:

What is a container in the context of network programming?

- a) A physical device used for data transmission
- b) A software package that includes all dependencies to run an application
- c) A protocol for secure data transfer
- d) A specialized router

Solution: b) A software package that includes all dependencies to run an application

Question 4:
Which technology enables dynamic allocation of network resources to applications in real-time?
a) Network Virtualization
b) Cloud Integration
c) Containerization
d) Software Defined Networking (SDN)
Solution: d) Software Defined Networking (SDN)
Question 5:
What is the primary goal of AI-driven networking?
a) To eliminate the need for network administrators
b) To increase network latency
c) To automate network management and optimization using AI algorithms
d) To replace traditional networking protocols
Solution: c) To automate network management and optimization using AI algorithms
•
Question 6:
Question 6: Which containerization platform is widely used for deploying and managing containerized
Question 6: Which containerization platform is widely used for deploying and managing containerized applications?
Question 6: Which containerization platform is widely used for deploying and managing containerized applications? a) Docker
Question 6: Which containerization platform is widely used for deploying and managing containerized applications? a) Docker b) Kubernetes
Question 6: Which containerization platform is widely used for deploying and managing containerized applications? a) Docker b) Kubernetes c) VirtualBox
Question 6: Which containerization platform is widely used for deploying and managing containerized applications? a) Docker b) Kubernetes c) VirtualBox d) Vagrant
Question 6: Which containerization platform is widely used for deploying and managing containerized applications? a) Docker b) Kubernetes c) VirtualBox d) Vagrant
Question 6: Which containerization platform is widely used for deploying and managing containerized applications? a) Docker b) Kubernetes c) VirtualBox d) Vagrant **Solution: a) Docker**

b) Secure Data Web Access Network

- c) Standard Digital Wireless Area Network
- d) Systematic Data Web Application Network

Solution: a) Software-Defined Wide Area Network

Question 8:

Which technology abstracts network hardware, allowing for more flexible and programmable network management?

- a) Virtual Reality (VR)
- b) Network Virtualization
- c) Quantum Computing
- d) Cloud Integration

Solution: b) Network Virtualization

Question 9:

What role does REST API play in network programming?

- a) Secure network communication
- b) Data storage and retrieval
- c) Remote execution of code
- d) Standardized way for applications to communicate over HTTP

Solution: d) Standardized way for applications to communicate over HTTP

Question 10:

What is the purpose of orchestration in the context of network programming?

- a) To automate the deployment and management of network resources and services
- b) To physically connect devices to the network
- c) To analyze network protocols
- d) To secure data transmission

Solution: a) To automate the deployment and management of network resources and services