

30 Lecture - CS410

Important Mcqs

****Question 1:****

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:****

Which containerization platform is widely used for deploying and managing containerized applications?

- a) Docker
- b) Kubernetes
- c) VirtualBox
- d) Vagrant

****Solution: a) Docker****

****Question 7:****

What does SD-WAN stand for in network programming?

- a) Software-Defined Wide Area Network
- 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****