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