

29 Lecture - CS410

Important Mcqs

****Question 1:****

Which protocol is commonly used for sending emails from a client to a server?

- a) HTTP
- b) SMTP
- c) POP3
- d) FTP

****Solution: b) SMTP****

****Question 2:****

What is the purpose of analyzing network protocols?

- a) To create new protocols
- b) To ensure backward compatibility
- c) To improve network security and performance
- d) To eliminate the need for firewalls

****Solution: c) To improve network security and performance****

****Question 3:****

Which technology enables devices to communicate and exchange data over the internet without human intervention?

- a) Web services
- b) IoT (Internet of Things)
- c) HTTP
- d) FTP

****Solution: b) IoT (Internet of Things)****

****Question 4:****

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

- a) Reliable Execution State Transfer
- b) Remote Execution Services and Tools
- c) Representational State Transfer
- d) Responsive Endpoint Services Technology

****Solution: c) Representational State Transfer****

****Question 5:****

Which cloud service model provides virtualized hardware resources over the internet?

- a) SaaS (Software as a Service)
- b) IaaS (Infrastructure as a Service)
- c) PaaS (Platform as a Service)
- d) DaaS (Data as a Service)

****Solution: b) IaaS (Infrastructure as a Service)****

****Question 6:****

What is a microservice architecture?

- a) A single monolithic application
- b) A network protocol
- c) A design pattern where an application is composed of small, independent services
- d) A method for transferring large files over the internet

****Solution: c) A design pattern where an application is composed of small, independent services****

****Question 7:****

Which encryption protocol is commonly used to secure data transmitted over the internet?

- a) SSL
- b) TLS
- c) HTTP

d) FTP

****Solution: b) TLS****

****Question 8:****

What does MQTT stand for in IoT communication?

- a) Message Queuing Transport Telemetry
- b) Message Queuing Telemetry Transport
- c) Mobile Query Transfer Technique
- d) Mobile Quota and Traffic Test

****Solution: b) Message Queuing Telemetry Transport****

****Question 9:****

Which HTTP method is used to retrieve data from a web server?

- a) GET
- b) POST
- c) PUT
- d) DELETE

****Solution: a) GET****

****Question 10:****

What is the purpose of load balancing in a networked system?

- a) To increase network latency
- b) To concentrate all traffic on a single server
- c) To evenly distribute traffic across multiple servers for improved performance and redundancy
- d) To decrease network security

****Solution: c) To evenly distribute traffic across multiple servers for improved performance and redundancy****