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

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

d) FTP