

27 Lecture - CS410

Important Mcqs

****Question 1:****

Which protocol is connection-oriented and provides reliable data transfer?

- a) TCP
- b) UDP
- c) HTTP
- d) IP

****Solution: a) TCP****

****Question 2:****

In network programming, what is a socket?

- a) A physical connector for cables
- b) A software endpoint for sending or receiving data across a computer network
- c) A type of router
- d) A type of firewall

****Solution: b) A software endpoint for sending or receiving data across a computer network****

****Question 3:****

Which function is used to create a socket in Python?

- a) socket.socket()
- b) create_socket()
- c) new_socket()
- d) socket.create()

****Solution: a) socket.socket()****

****Question 4:****

What is the default port number for HTTP?

- a) 80
- b) 443
- c) 8080
- d) 21

****Solution: a) 80****

****Question 5:****

Which networking protocol is connectionless and does not guarantee reliable data delivery?

- a) TCP
- b) UDP
- c) FTP
- d) SMTP

****Solution: b) UDP****

****Question 6:****

Which command is used to bind a socket to a specific address and port?

- a) `socket.connect()`
- b) `socket.bind()`
- c) `socket.listen()`
- d) `socket.accept()`

****Solution: b) `socket.bind()`****

****Question 7:****

What does DNS stand for in networking?

- a) Domain Network Server
- b) Data Naming System
- c) Distributed Network Service

d) Domain Name System

****Solution: d) Domain Name System****

****Question 8:****

Which Python library is commonly used for network programming?

- a) netlib
- b) socketlib
- c) networkpy
- d) socket

****Solution: d) socket****

****Question 9:****

What does IP address uniquely identify in a network?

- a) Domain name
- b) MAC address
- c) Port number
- d) Device

****Solution: d) Device****

****Question 10:****

Which method is used to establish a connection in a TCP client socket in Python?

- a) connect()
- b) send()
- c) accept()
- d) bind()

****Solution: a) connect()****