27 Lecture - CS410

Important Mcqs

| **Question 1:** |
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| Which protocol is connection-oriented and provides reliable data transfer? |
| a) TCP |
| b) UDP |
| c) HTTP |
| d) IP |
| **Solution: a) TCP** |
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| **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** |
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| **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:** |
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| 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 |
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| **Solution: d) Domain Name System** |
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| **Question 8:** |
| Which Python library is commonly used for network programming? |
| a) netlib |
| b) socketlib |
| c) networkpy |
| d) socket |
| **Solution: d) socket** |
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| **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** |
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| **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()** |