

## UNIT-4

### Multiple Choice Questions

1. Which transport protocol is connection-oriented?

- a) UDP
- b) TCP
- c) CoAP
- d) MQTT

Answer: b

2. TCP stands for:

- a) Transfer Communication Protocol
- b) Transmission Control Protocol
- c) Transport Connection Process
- d) Terminal Communication Protocol

Answer: b

3. UDP is mainly known for:

- a) Reliability
- b) Low latency
- c) Encryption
- d) Session control

Answer: b

4. UDP stands for:

- a) User Datagram Protocol
- b) Universal Data Process
- c) Unified Datagram Process
- d) User Data Protection

Answer: a

5. MPTCP stands for:

- a) Multipath TCP
- b) Multiple Transfer Control Protocol



- c) Mobile TCP
- d) Multiprocess TCP

**Answer: a**

**6. DCCP is mainly designed for:**

- a) Congestion-controlled communication
- b) Encryption
- c) Data storage
- d) Routing

**Answer: a**

**7. SCTP stands for:**

- a) Stream Control Transmission Protocol
- b) Session Control Transfer Protocol
- c) Secure Communication Transmission Protocol
- d) Storage Control Transfer Protocol

**Answer: a**

**8. TLS provides:**

- a) Secure communication
- b) Routing
- c) Compression
- d) Addressing

**Answer: a**

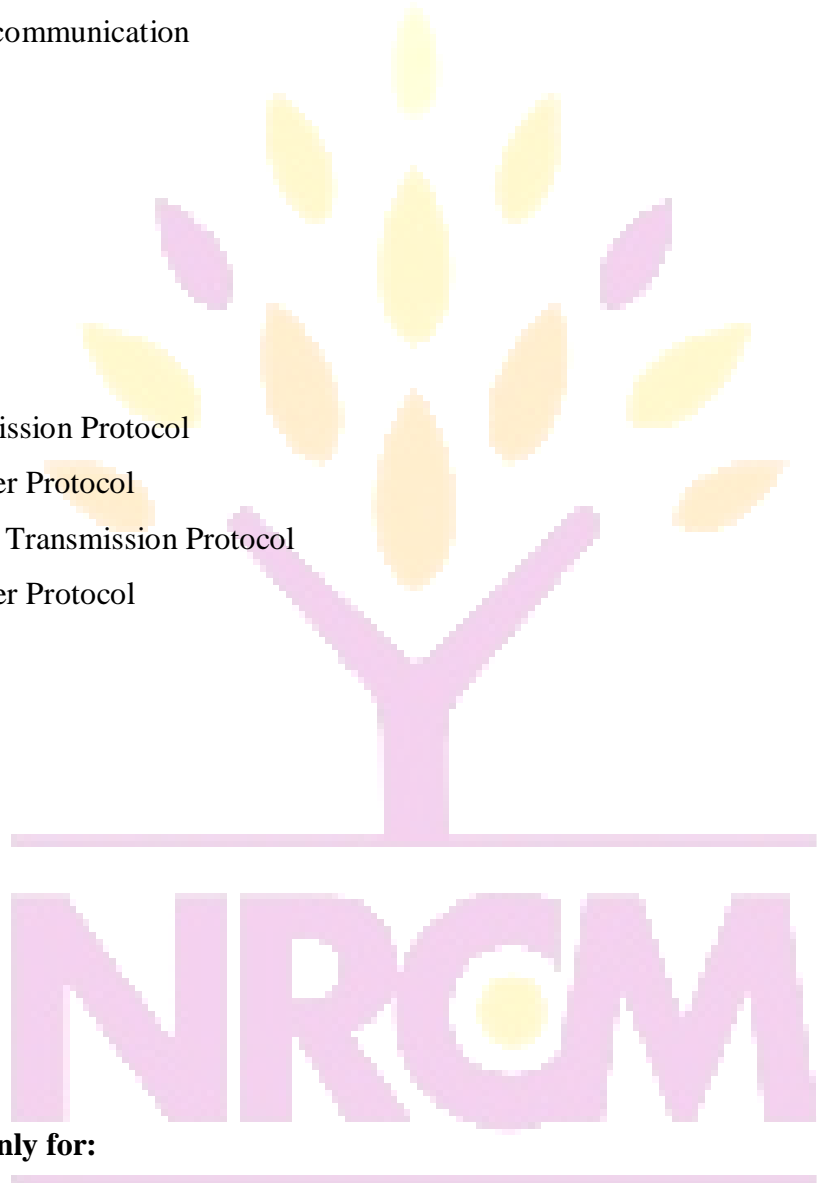
**9. DTLS is designed mainly for:**

- a) Datagram-based communication security
- b) Routing
- c) Cloud storage
- d) Network monitoring

**Answer: a**

**10. Which protocol secures UDP communication?**

- a) DTLS



your roots to success.

- b) TLS
- c) HTTP
- d) MQTT

**Answer: a**

**11. HTTP stands for:**

- a) HyperText Transfer Protocol
- b) HyperText Transport Process
- c) Hyper Transfer Program
- d) Host Transfer Protocol

**Answer: a**

**12. CoAP is mainly used for:**

- a) Constrained IoT devices
- b) Web browsers
- c) Gaming
- d) Email

**Answer: a**

**13. XMPP stands for:**

- a) Extensible Messaging and Presence Protocol
- b) Extended Message Processing Protocol
- c) XML Processing Protocol
- d) Exchange Message Protocol

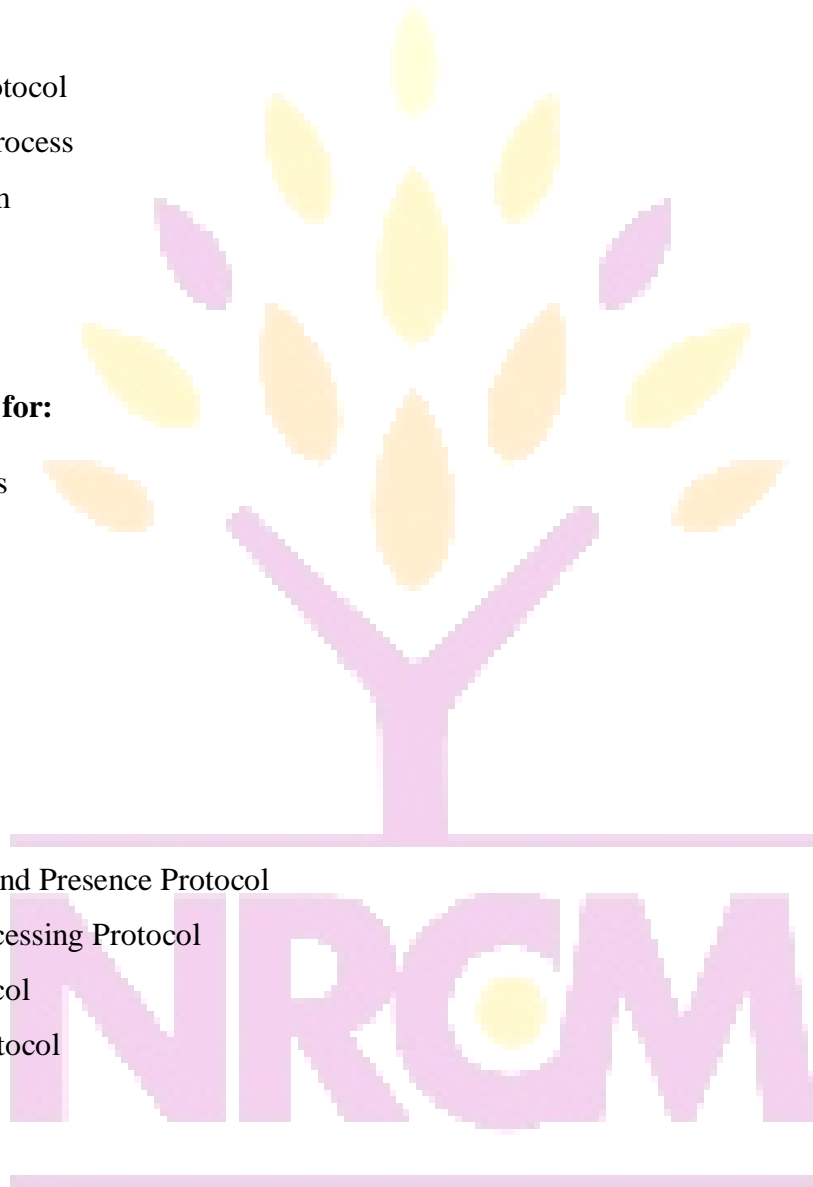
**Answer: a**

**14. AMQP stands for:**

- a) Advanced Message Queuing Protocol
- b) Automatic Messaging Protocol
- c) Application Management Queue Protocol
- d) Access Message Protocol

**Answer: a**

**15. MQTT stands for:**



your roots to success.

- a) Message Queue Telemetry Transport
- b) Message Query Transmission Tool
- c) Machine Queue Transfer Technology
- d) Multiple Queue Transport

**Answer: a**

**16. MQTT uses which communication model?**

- a) Publish–Subscribe
- b) Peer-to-peer
- c) Ring
- d) Bus

**Answer: a**

**17. Which protocol is lightweight and ideal for IoT?**

- a) MQTT
- b) FTP
- c) SMTP
- d) Telnet

**Answer: a**

**18. CoAP generally works over:**

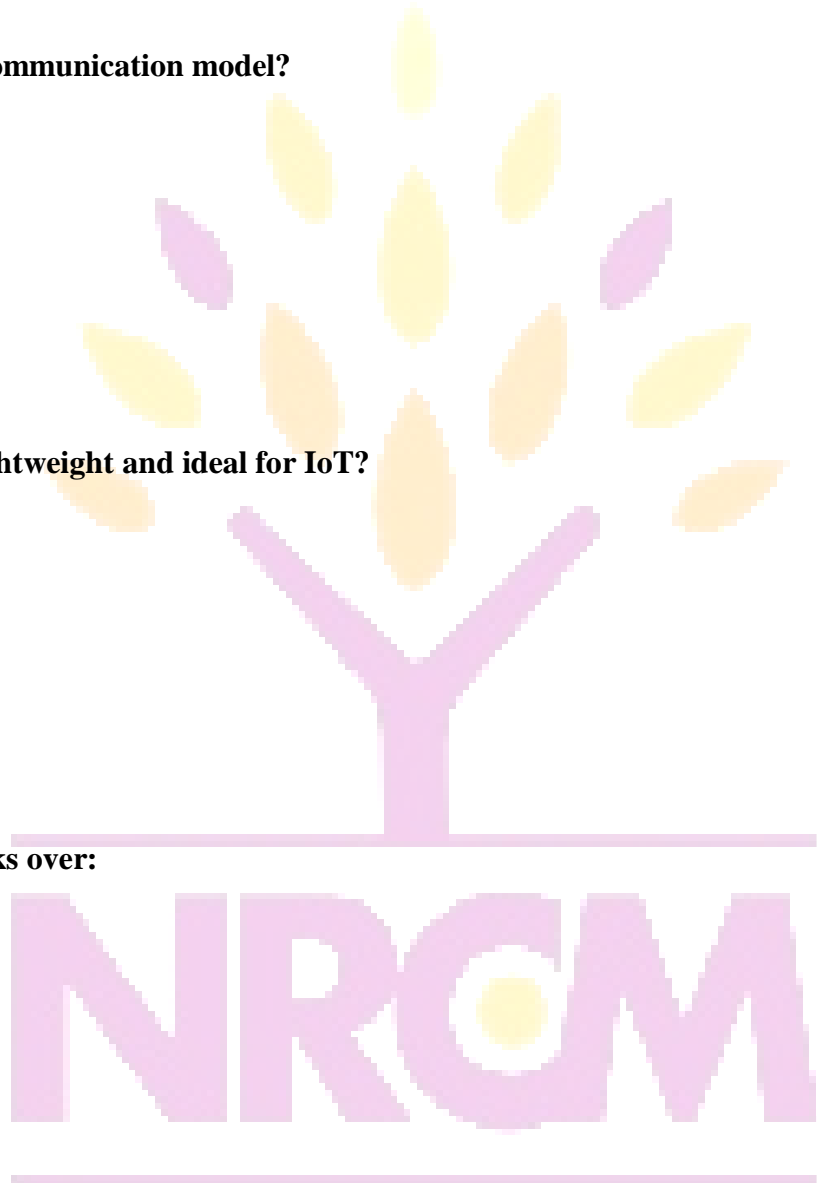
- a) UDP
- b) TCP
- c) SCTP
- d) DCCP

**Answer: a**

**19. HTTP mainly follows:**

- a) Request–Response model
- b) Publish–Subscribe
- c) Broadcast
- d) Multicast

**Answer: a**



your roots to success.

**20. Which protocol supports message queuing?**

- a) AMQP
- b) HTTP
- c) UDP
- d) TLS

**Answer: a**

**Fill in the Blanks**

**1. TCP stands for \_\_\_\_\_ Control Protocol.**

**Answer: Transmission**

**2. UDP stands for User \_\_\_\_\_ Protocol.**

**Answer: Datagram**

**3. MPTCP allows communication through multiple \_\_\_\_\_.**

**Answer: Paths**

**4. DCCP supports congestion \_\_\_\_\_.**

**Answer: Control**

**5. SCTP supports reliable \_\_\_\_\_ transmission.**

**Answer: Data**

**6. TLS stands for Transport Layer \_\_\_\_\_.**

**Answer: Security**

**7. DTLS secures \_\_\_\_\_ transport communication.**

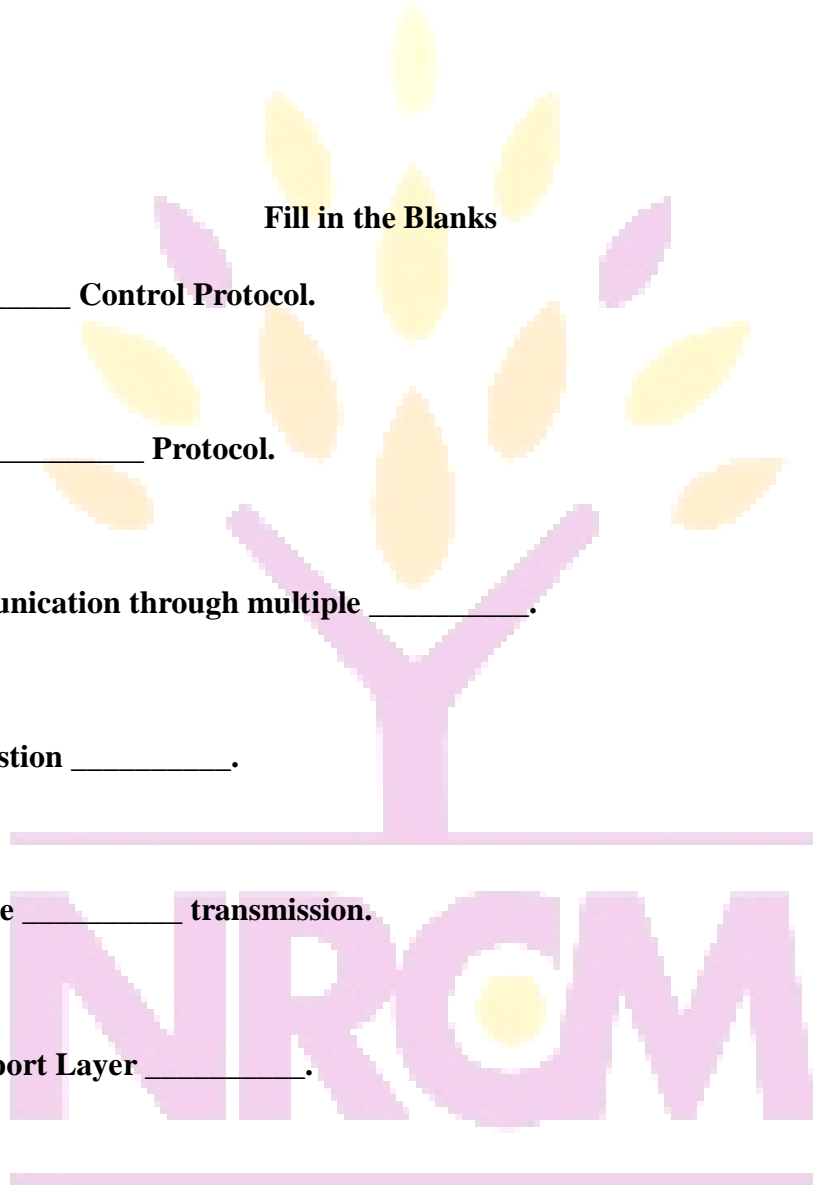
**Answer: Datagram**

**8. HTTP follows a \_\_\_\_\_-Response model.**

**Answer: Request**

**9. CoAP stands for Constrained Application \_\_\_\_\_.**

**Answer: Protocol**



your roots to success.

10. XMPP is based on \_\_\_\_\_ messaging.

Answer: XML

11. AMQP stands for Advanced Message \_\_\_\_\_ Protocol.

Answer: Queuing

12. MQTT follows a \_\_\_\_\_-Subscribe architecture.

Answer: Publish

13. MQTT is widely used in \_\_\_\_\_ applications.

Answer: IoT

14. CoAP is optimized for \_\_\_\_\_ devices.

Answer: Constrained

15. TLS improves communication \_\_\_\_\_.

Answer: Security

16. DTLS is an extension of \_\_\_\_\_.

Answer: TLS

17. HTTP operates at the \_\_\_\_\_ layer.

Answer: Session

18. MQTT reduces communication \_\_\_\_\_.

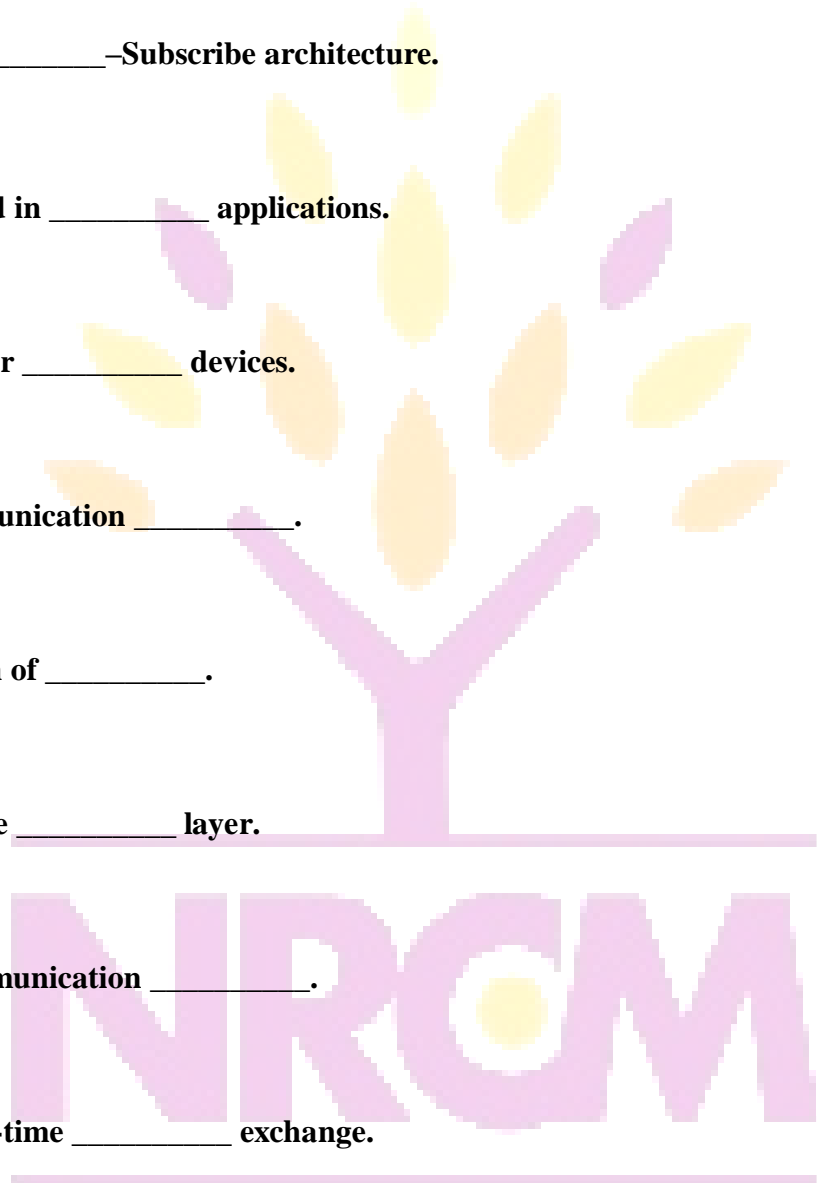
Answer: Overhead

19. XMPP supports real-time \_\_\_\_\_ exchange.

Answer: Message

20. AMQP enables reliable message \_\_\_\_\_.

Answer: Delivery



your roots to success.