

2011000105030001
B.C.A. T.Y (Sem – V)
Examination October-2023
Network Technologies (503)

Seat No:

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[Time: Three Hours]

[Max. marks: 70]

<p>Student's Signature</p>

Q.1 Select an appropriate option.

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1. Repeater operates in which layer of the OSI model?

A. Physical layer	C. Network layer
B. Data link layer	D. Transport layer

2. What is the benefit of the Networking?

A. File Sharing	C. Easier Backups
B. Easier access to Resources	D. All of the Above

3. A set of rules that govern all aspects of information communication is called

A. Server	C. Protocol
B. Internet	D. OSI Model

4. Which of the following is correct regarding Class B Address of IP address

A. Network bit - 14, Host bit - 16	C. Network bit - 18, Host bit - 16
B. Network bit - 16, Host bit - 14	D. Network bit - 12, Host bit - 14

5. Which topology covers security, robust and eliminating traffic factor?

A. Mesh	C. Star
B. Ring	D. Bus

6. Packets of data that is transported by IP is called

A. datagrams	C. Segments
B. Frames	D. Encapsulate message

7. Identify among the following which belongs to class A.

A. 121.12.12.258	C. 129.12.12.258
B. 128.12.12.258	D. 130.12.12.258

8. The location of a resource on the internet is given by its?
A. Protocol
B. URL
C. E-mail address
D. ICQ
9. Identify the protocol primarily used for browsing data.
A. FTP
B. TCP
C. TFTP
D. HTTP
10. Identify among the following servers which allow LAN user to share data.
A. Communication server
B. Point server
C. File server
D. Data server

Q.2 Answer the following. (Any Four)

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1. What are topologies? Explain Star topology and Ring topology.
2. Explain Working of Intranet and its architecture in detail.
3. List out Wired Transmission media. Explain any one in detail.
4. What is Network? Explain advantages and disadvantages of Networks.
5. Discuss responsibilities of Transport and Session layer of OSI model.
6. Explain concept and types of MANET in detail.

Q.3 Do as Directed. (Any Four)

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1. Purpose of Presentation layer. List out presentation layer protocol. Discuss SSL and FTP in detail.
2. Explain terms: SMTP, DNS and POP.
3. Define URL. Give examples of it. Explain types of URL.
4. What is Network? Difference between Internet and Intranet.
5. Difference between HTTP and HHTPs.
6. What are search engine? Explain process of locating website.

Q.4 Write a short- Note on following. (Any two)

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1. Network Devices.
2. FANET
3. Concept of Email and its working and services.