



**DZ-003-2034003**

Seat No. \_\_\_\_\_

**B. C. A. (Sem. IV) (CBCS) (W.E.F. 2019)**

**Examination**

**April - 2022**

**CS-21 : Network Technology & Administration**

*(New Course)*

**Faculty Code : 003**

**Subject Code : 2034003**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

**Instruction :** Attempt any five questions out of ten

- 1 (A) Objective type questions : **04**
- (1) \_\_\_\_\_ is the first layer of OSI reference model.
  - (2) FDDI stands for \_\_\_\_\_
  - (3) Which topology required terminator at both end of the main cable ?
  - (4) Encryption secures data. [True/False]
- (B) Explain Ethernet. **02**
- (C) What is Network Topology ? Explain Bus Topology. **03**
- (D) Explain Network Communication Methods in detail. **05**
- 2 (A) Objective type questions : **04**
- (1) OSI stands for \_\_\_\_\_.
  - (2) Which topology is a combination of two or more network topologies ?
  - (3) CSMS/CA stands for \_\_\_\_\_.
  - (4) Which topology is most useful in local area network ?

	(B) Explain Net meeting.	02
	(C) Explain Token Passing.	03
	(D) Explain OSI reference model in detail.	05
<b>3</b>	(A) Objective type questions :	<b>04</b>
	(1) DSL stands for _____.	
	(2) The frequency rang of VLF is _____.	
	(3) CDM stands for _____.	
	(4) Modem consider in _____layer of OSI reference model.	
	(B) What is Guided Media ? List out all guided media.	<b>02</b>
	(C) Explain Fiber Optic Cable.	<b>03</b>
	(D) What is Multiplexing ? Explain any two types of Multiplexing.	<b>05</b>
<b>4</b>	(A) Objective type questions :	<b>04</b>
	(1) WDM stands for _____.	
	(2) Infrared is _____types of media.	
	(3) Gateway concept used with _____layer of OSI reference model.	
	(4) Write types of Twisted Pair cable ?	
	(B) Explain Repeater.	<b>02</b>
	(C) What is Hub ? Explain types of Hub.	<b>03</b>
	(D) Explain Unguided media.	<b>05</b>
<b>5</b>	(A) Objective type questions :	<b>04</b>
	(1) SNMP stands for _____.	
	(2) OSPF stands for _____.	
	(3) _____protocol is responsible for transferring email in internet.	
	(4) RARP stands for _____.	
	(B) Define Packets.	<b>02</b>
	(C) Connection Oriented Protocol v/s Connection Less Protocol.	<b>03</b>
	(D) Explain Distance vector routing protocols with its types.	<b>05</b>

<b>6</b>	(A) Objective type questions :	<b>04</b>
	(1) Pre-defined rules for data transfer between two different computers are known as _____.	
	(2) EIGRP stands for _____.	
	(3) UDP stands for _____.	
	(4) Which protocol provides mapping from IP address to MAC address ?	
	(B) Define Requirements of Routing.	<b>02</b>
	(C) Explain BGP.	<b>03</b>
	(D) Explain TCP/IP Stack.	<b>05</b>
<b>7</b>	(A) Objective type questions :	<b>04</b>
	(1) MMC stands for _____.	
	(2) Class D addresses are reserved for multicasting. [True/False]	
	(3) An IP address 255.255.0.0 is a default address mask of class _____.	
	(4) What is forest ?	
	(B) Explain types of IP Address.	<b>02</b>
	(C) Explain subnetting.	<b>03</b>
	(D) Explain Active Directory in windows 2008 server.	<b>05</b>
<b>8</b>	(A) Objective type questions :	<b>04</b>
	(1) IPv4 contains _____bits address.	
	(2) What is tree ?	
	(3) Which command is required to check connection status between two computers ?	
	(4) What is IP address ?	
	(B) Explain Logging Events.	<b>02</b>
	(C) Explain types of Accounts in windows 2008 server.	<b>03</b>
	(D) Explain basic structure of IPv6.	<b>05</b>

<b>9</b>	(A) Objective type questions :	<b>04</b>
	(1) What is Network Security ?	
	(2) CIA stands for _____.	
	(3) Shared Secret key is required in symmetric cryptography method. [True/False]	
	(4) GPRS stands for _____.	
	(B) Write down requirements of network security.	<b>02</b>
	(C) Explain Cryptography.	<b>03</b>
	(D) Explain VPN Protocols.	<b>05</b>
<b>10</b>	(A) Objective type questions :	<b>04</b>
	(1) GPS stands for _____.	
	(2) PPTP stands for _____.	
	(3) ISDN network required _____ and _____ interface ports.	
	(4) VPN stands for _____.	
	(B) Explain Proxy Server.	<b>02</b>
	(C) Define : Policies, Standard and Procedures.	<b>03</b>
	(D) Explain Dial-up and Leased Line Technology.	<b>05</b>

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