

B.Sc.(IT) Semester - 4 (CBCS) Examination**March/April-2023 [OLD COURSE]****CS-21 NETWORK TECHNOLOGY AND ADMINISTRATION(CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Q.1(A) Answer the following questions. (04)**
1. CDDI stands for _____.
 2. TCP/IP stands for _____.
 3. FDDI stands for _____.
 4. CSMA/CA stands for _____.
- Q.1(B) Answer the following questions. (Any One) (02)**
1. What is Network?
 2. What is Net meeting?
- Q.1(C) Answer the following questions. (Any One) (03)**
1. Explain client server network model.
 2. Write short note on Communication Methods.
- Q.1(D) Answer the following questions. (Any One) (05)**
1. Explain TCP/IP network model in detail.
 2. Explain types of Network Topologies in detail.
- Q.2(A) Answer the following questions. (04)**
1. CDM stands for _____.
 2. MODEM stands for _____.
 3. ADSL stands for _____.
 4. WDM stands for _____.
- Q.2(B) Answer the following questions. (Any One) (02)**
1. What is Gateway?
 2. What is Router?
- Q.2(C) Answer the following questions. (Any One) (03)**
1. Explain DSL & ADSL in brief.
 2. Explain switching techniques in detail.
- Q.2(D) Answer the following questions. (Any One) (05)**
1. Explain types of Multiplexing in detail.
 2. Explain Unguided media in detail.
- Q.3(A) Answer the following questions. (04)**
1. FTP stands for _____.
 2. SMTP stands for _____.
 3. ARP stands for _____.
 4. IPX stands for _____.
- Q.3(B) Answer the following questions. (Any One) (02)**
1. What is Network Packet?
 2. What is Routing?
- Q.3(C) Answer the following questions. (Any One) (03)**
1. Write short note on Telnet.
 2. Explain FTP and SMTP protocol in brief.

- Q.3(D) Answer the following questions. (Any One) (05)**
1. Explain Distance vector routing protocols.
 2. Explain types of routing in detail.
- Q.4(A) Answer the following questions. (04)**
1. IPv4 address represent in _____ bits.
 2. MMC stands for _____.
 3. In sub netting IPV 4 network is broken into two parts, Network Id and _____.
 4. CIDR stands for _____.
- Q.4(B) Answer the following questions. (Any One) (02)**
1. What is ip address?
 2. List out various editions of windows 2008 server.
- Q.4(C) Answer the following questions. (Any One) (03)**
1. Differentiate IPv4 V/S IPv6.
 2. Write note on supernetting.
- Q.4(D) Answer the following questions. (Any One) (05)**
1. Explain class structure of IPv4 in detail.
 2. Explain Security Policy of Windows Server 2008.
- Q.5(A) Answer the following questions. (04)**
1. CIA stands for _____.
 2. ISDN stands for _____.
 3. VPN stands for _____.
 4. GPS stands for _____.
- Q.5(B) Answer the following questions. (Any One) (02)**
1. What is cryptography?
 2. What is Proxy Server?
- Q.5(C) Answer the following questions. (Any One) (03)**
1. Explain GPS and GPRS in brief.
 2. Explain VPN protocols in brief.
- Q.5(D) Answer the following questions. (Any One) (05)**
1. Explain security principles of CIA model.
 2. Explain Dial Up and Lease Line technology.
