

**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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- Que-1 (A) Attempt the following. (04)
1. Full form of OSI is _____.
 2. There are _____ Network Model.
 3. FDDI stand for _____ .
 4. A _____ of model a machine plays the role of a client and a server at the same time.
- Que-1 (B) Attempt the following (Any One) (02)
1. Explain NetMeeting.
 2. Explain any two topologies in detail.
- Que-1 (C) Attempt the following (Any One) (03)
1. Explain network access methods.
 2. Explain Disk quota.
- Que-1 (D) Attempt the following (Any One) (05)
1. Explain network services.
 2. Explain OSI.
- Que-2 (A) Attempt the following. (04)
1. EMI stands for _____.
 2. What is bandwidth?
 3. What is multiplexing?
 4. TDM stands for _____.
- Que-2 (B) Attempt the following. (Any One) (02)
1. Explain Bridge in detail.
 2. What is Bluetooth?
- Que-2 (C) Attempt the following. (Any One) (03)
1. Explain Propagation methods.
 2. Explain FDM.
- Que-2 (D) Attempt the following. (Any One) (05)
1. Write short note on switching techniques.
 2. Explain router and routing table.
- Que-3 (A) Attempt the following. (04)
1. MIB stands for _____ .
 2. What is RFC?
 3. What is Protocol?
 4. Full form of POP is _____.

- Que-3 (B) Attempt the following. (Any One) (02)
1. Give the difference between TCP and UDP.
 2. Explain ARP.
- Que-3 (C) Attempt the following. (Any One) (03)
1. What is SMTP?
 2. Explain types of routing.
- Que-3 (D) Attempt the following. (Any One) (05)
1. Explain IPX.
 2. Explain TCP/IP protocol suit.
- Que-4 (A) Attempt the following. (04)
1. What is IP address?
 2. CIDR stands for _____.
 3. VLSM stands for _____.
 4. MMC stands for _____.
- Que-4 (B) Attempt the following. (Any One) (02)
1. Explain superneting.
 2. Explain types of groups.
- Que-4 (C) Attempt the following. (Any One) (03)
1. Explain MMC.
 2. Explain subneting in detail.
- Que-4 (D) Attempt the following. (Any one) (05)
1. Explain IPv4 addresses with class.
 2. Explain IPv6 basic structure.
- Que-5 (A) Attempt the following. (04)
1. VPN stands for _____.
 2. CIA stands for _____.
 3. Cipher text is also known as _____.
 4. PPTP stands for _____.
- Que-5 (B) Attempt the following. (Any One) (02)
1. What is VPN?
 2. Explain IPSEC.
- Que-5 (C) Attempt the following. (Any One) (03)
1. Explain Information security and its attributes.
 2. Explain ISDN.
- Que-5 (D) Attempt the following. (Any One) (05)
1. Write short note on Cryptography.
 2. Write short note on Proxy Server.
