

**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) Answer the following questions. (04)
1. CDDI stand for _____.
 2. The Dedicated server commonly found in which type of environment?
 3. 10Base2 also knows _____.
 4. Lossless method is encryption method. True/False.
- Que-1 (B) Answer the following question. (any one) (02)
1. What is network? List-Out use of network.
 2. List-Out Compression method.
- Que-1 (C) Answer the following question. (any one) (03)
1. Explain Communication method.
 2. Explain any three network services.
- Que-1 (D) Answer the following question. (any one) (05)
1. Draw and Explain OSI reference model.
 2. Explain TCP/IP network model.
- Que-2 (A) Answer the following questions. (04)
1. ASDL stand for _____.
 2. Many inputs one output known as a _____.
 3. FDM is used for FM & AM radio broadcasting. True/False.
 4. Guided media also knows _____.
- Que-2 (B) Answer the following question. (any one) (02)
1. List out Unguided media.
 2. List out layer2 devices.
- Que-2 (C) Answer the following question. (any one) (03)
1. Explain types of HUB.
 2. Difference between Multiplexing and de-multiplexing.
- Que-2 (D) Answer the following question. (any one) (05)
1. What is transmission media? Explain any one type of media.
 2. What is switching? List-out switching techniques also explain any one with diagram.
- Que-3 (A) Answer the following questions. (04)
1. A packet consists of control information and user data that is known as _____.
 2. OSPF stand for _____.
 3. Which port number used http protocol?
 4. The process of selecting a path for traffic in a network knows _____.

- Que-3 (B) Answer the following question. (any one) (02)
1. Define protocol & packets.
 2. List out Routing protocol.
- Que-3 (C) Answer the following question. (any one) (03)
1. Difference between connection less and connection oriented protocol.
 2. Explain IPX/SPX.
- Que-3 (D) Answer the following question. (any one) (05)
1. Explain L2CAP Protocol.
 2. Explain Interior Routing Protocols.
- Que-4 (A) Answer the following questions. (04)
1. MMC stand for _____.
 2. How many bits used in ipv6 for ip address.
 3. Who manage the ip address?
 4. HAL stand for _____.
- Que-4 (B) Answer the following question. (any one) (02)
1. Define subnet and supernet.
 2. Define Domains and Forests concept.
- Que-4 (C) Answer the following question. (any one) (03)
1. Difference between ipv4 and ipv6.
 2. What is policy? Explain types of Policy.
- Que-4 (D) Answer the following question. (any one) (05)
1. What ip Address? Explain types of ip address.
 2. Explain ipv4 in detail.
- Que-5 (A) Answer the following questions. (04)
1. Asymmetric used only single key for encryption and decryption. True/False.
 2. Hiding of information is called _____.
 3. GPRS stands for _____.
 4. CIA Stand for _____.
- Que-5 (B) Answer the following question. (any one) (02)
1. Define GPS
 2. Define Encryption.
- Que-5 (C) Answer the following question. (any one) (03)
1. Explain Security Principle.
 2. Explain Proxy server.
- Que-5 (D) Answer the following question. (any one) (05)
1. Explain requirement of network security.
 2. What is VPN? Explain VPN Protocols.
