

B.C.A Semester - 4 (CBCS) Examination**March/April-2024 [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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| Que-1(A) | Answer the following questions. | (04) |
| | <ol style="list-style-type: none">1. Full form of WAN.2. Full form TCP.3. Full form of CSMA.4. Full form of FDDI. | |
| Que-1(B) | Answer the following questions. (ANY ONE) | (02) |
| | <ol style="list-style-type: none">1. What is Disk Quota? List out its types.2. Which are network access methods? | |
| Que-1(C) | Answer the following questions. (ANY ONE) | (03) |
| | <ol style="list-style-type: none">1. Explain any one advance network topology.2. Explain any one communication method. | |
| Que-1(D) | Answer the following questions. (ANY ONE) | (05) |
| | <ol style="list-style-type: none">1. Write note on OSI reference model.2. Write note on network model. | |
| Que-2(A) | Answer the following questions. | (04) |
| | <ol style="list-style-type: none">1. Full form of STP.2. Full form of NIC.3. Full form of DSL.4. What is Access Point? | |
| Que-2(B) | Answer the following questions. (ANY ONE) | (02) |
| | <ol style="list-style-type: none">1. Explain BROUTER.2. Explain MODEM. | |
| Que-2(C) | Answer the following questions. (ANY ONE) | (03) |
| | <ol style="list-style-type: none">1. Which are Switching Techniques? Explain any one.2. Difference between STP vs UTP. | |
| Que-2(D) | Answer the following questions. (ANY ONE) | (05) |
| | <ol style="list-style-type: none">1. Write note on Types of transmission media.2. Explain layer 3 network device. | |
| Que-3(A) | Answer the following questions. | (04) |
| | <ol style="list-style-type: none">1. Full form of UDP.2. Full form of HTTP.3. Full form of FTP.4. Full form of SMTP. | |
| Que-3(B) | Answer the following questions. (ANY ONE) | (02) |
| | <ol style="list-style-type: none">1. Explain Connection oriented protocol.2. Explain SNMP protocol. | |
| Que-3(C) | Answer the following questions. (ANY ONE) | (03) |
| | <ol style="list-style-type: none">1. Explain IPX/SPX protocols.2. Explain AppleTalk protocol. | |

- Que-3(D) Answer the following questions. (ANY ONE) (05)
1. Write note on Routing protocols.
 2. Write note on TCP/IP STACK.
- Que-4(A) Answer the following questions. (04)
1. What is IP address?
 2. Full form of IPv4.
 3. What is Server?
 4. Which are the editions of windows server 2008?
- Que-4(B) Answer the following questions. (ANY ONE) (02)
1. What is domain, tree and forest?
 2. Explain basic structure of IPv6.
- Que-4(C) Answer the following questions. (ANY ONE) (03)
1. Explain Migration from Ipv4 to Ipv6.
 2. Explain Active Directory.
- Que-4(D) Answer the following questions. (ANY ONE) (05)
1. Explain class structure of IPv4
 2. Write steps to install windows 2008 enterprise server.
- Que-5(A) Answer the following questions. (04)
1. Full form of L2TP.
 2. Full form of GPS.
 3. Full form of GPRS.
 4. Full form of CCTV.
- Que-5(B) Answer the following questions. (ANY ONE) (02)
1. Explain ISDN network technology.
 2. Explain requirements of network security.
- Que-5(C) Answer the following questions. (ANY ONE) (03)
1. Explain proxy server.
 2. Explain network security methods.
- Que-5(D) Answer the following questions. (ANY ONE) (05)
1. Write note on VPN.
 2. Write note on CIA model.
