

B.C.A 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.
-

Q.1(A) Answer the following questions. (04)

1. Give full form of FDDI.
2. _____ is the term used to describe communication where a piece of information is sent from one point to another point. In this case there is just one sender, and one receiver.
3. Give full form of CSMA/CD.
4. _____ layer formats the data to be presented to the application layer. It can be viewed as the translator for the network.

Q.1(B) Answer the following questions. (Any One) (02)

1. What is client –server architecture?
2. What is Disk Quota?

Q.1(C) Answer the following questions. (Any One) (03)

1. List out Network Topologies. Explain any two.
2. List out Network Access Methods. Explain CSMA/CD and CSMA/CA

Q.1(D) Answer the following questions. (Any One) (05)

1. Write short note on OSI reference model.
2. Write short note on Network services.

Q.2(A) Answer the following questions. (04)

1. _____ is Physical path between transmitter and receiver
2. Give full form of STP
3. _____ is the set of techniques that allows the simultaneous transmission of multiple signals across a single data link.
4. Give full form of DSL.

Q.2(B) Answer the following questions. (Any One) (02)

1. Explain Co-axial cable.
2. Explain Router.

Q.2(C) Answer the following questions. (Any One) (03)

1. Explain switch and bridge.
2. What is Hub? Explain different types of hub.

Q.2(D) Answer the following questions. (Any One) (05)

1. Explain switching techniques.
2. Write short note on wireless network devices.

Q.3(A) Answer the following questions. (04)

1. A _____ is one unit of binary data capable of being routed through a computer network.
2. Give full form of SNMP
3. Give full form of ARP.
4. _____ is a proprietary suite of networking protocols developed by Apple Inc. for their Macintosh computers.

- Q.3(B) Answer the following questions. (Any One) (02)**
1. Explain BGP.
2. What is NetBIOS ?
- Q.3(C) Answer the following questions. (Any One) (03)**
1. What is Routing? Explain types of Routing.
2. Explain connection less and connection oriented protocols.
- Q.3(D) Answer the following questions. (Any One) (05)**
1. Write short note on Interior Routing Protocols.
2. Write short note on TCP/IP Protocol stack.
- Q.4(A) Answer the following questions. (04)**
1. An ____ address is an address used in order to uniquely identify a device on an IP network.
2. In _____ a network is divided into several smaller subnetwork with each subnetwork(or subnet) having its own sub network address.
3. Give full form of IP.
4. _____ used for very large network such as major international company might have.
- Q.4(B) Answer the following questions. (Any One) (02)**
1. How to assign IP to any computer?
2. What is MMC?
- Q.4(C) Answer the following questions. (Any One) (03)**
1. Explain various editions of Windows 2008 enterprise server.
2. Explain supernetting.
- Q.4(D) Answer the following questions. (Any One) (05)**
1. Explain IPV4 Addresses with class.
2. How to manage user account and group in windows 2008 server?
- Q.5(A) Answer the following questions. (04)**
1. A _____ is a minimum level of security that a system, network, or device must adhere to.
2. State types of cryptography.
3. _____ is the process of identifying an individual, usually based on a username and password.
4. What is country domain?
- Q.5(B) Answer the following questions. (Any One) (02)**
1. What is information security?
2. What is Encryption?
- Q.5(C) Answer the following questions. (Any One) (03)**
1. Explain CIA Model.
2. What is GPS and GPRS?
- Q.5(D) Answer the following questions. (Any One) (05)**
1. Write short note on VPN.
2. Explain the technology that is used to connect internet?
