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BCA4ntaC0310

Seat No: _____

B.C.A Semester - 4 (CBCS) Examination

March/April- 2019

**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) State the communication methods.
 - (2) List out Network Services.
 - (3) State the layer name of TCP/IP Network Model.
 - (4) State the full form of FDDI.
- (B) Answer Any One: (02)**
- (1) Explain Network Models.
 - (2) What is Disk Quota?
- (C) Answer Any One: (03)**
- (1) Give the steps for sharing printer on LAN
 - (2) Explain Compression.
- (D) Answer Any One: (05)**
- (1) Write short note on Network Access Methods.
 - (2) Write short note on Network Topologies.
- Q-2 (A) Answer the following questions (04)**
- (1) MODEM stands for _____.
 - (2) Full form of UTP is _____.
 - (3) What is Router?
 - (4) State Layer-1 Network Devices.
- (B) Answer Any One: (02)**
- (1) State Multiplexing types. Explain FDM.
 - (2) State the difference between guided and unguided media.
- (C) Answer Any One: (03)**
- (1) What is Hub? Explain its type.
 - (2) Explain Bridge.
- (D) Answer Any One: (05)**
- (1) Write short note on Switching Techniques.
 - (2) Explain 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) Full form of SNMP is _____
 - (3) List out Distance Vector Routing Protocol.
 - (4) State types of protocol and give one example of each.
- (B) Answer Any One: (02)**
- (1) What is AppleTalk?

- (2) Explain IPX/SPX.
- (C) Answer Any One:** (03)
- (1) Explain types of Routing.
- (2) Explain L2CAP and RFCOMM protocol.
- (D) Answer Any One:** (05)
- (1) Write short note on TCP/IP Protocol Suit.
- (2) Explain Routing Protocols.
- Q-4 (A) Answer the following questions** (04)
- (1) _____ is used to uniquely identify a device on a network.
- (2) _____ is a way of partitioning a network at the IP level by dividing a block of addresses into a number of smaller sets.
- (3) CIDR stands for _____.
- (4) Which predefined user accounts are provided by Windows Server 2008?
- (B) Answer Any One:** (02)
- (1) What is Group in Active Directory?
- (2) Explain MMC?
- (C) Answer Any One:** (03)
- (1) Explain IPV4 Class Structure.
- (2) Explain various editions of Windows 2008 servers.
- (D) Answer Any One:** (05)
- (1) Write the installation steps of Windows 2008 enterprise server.
- (2) Write short note on Logging Event.
- Q-5 (A) Answer the following questions** (04)
- (1) Full form of CCTV is _____.
- (2) _____ is the conversion of electronic data into another form, called cipher text, which cannot be easily understood by anyone except authorized parties.
- (3) A _____ is a minimum level of security that a system, network, or device must adhere to.
- (4) _____ is a packet – switching technology that enables data transfers through cellular networks. It is used for mobile internet, MMS and other data communications.
- (B) Answer Any One:** (02)
- (1) What is Proxy Server?
- (2) What is Authentication?
- (C) Answer Any One:** (03)
- (1) Explain CIA Model.
- (2) Explain requirement of Network Security.
- (D) Answer Any One:** (05)
- (1) Write short note on VPN.
- (2) Write short note on GPS.
