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BIT4ntaC0310

Seat No: _____

B.Sc.(IT) 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) Attempt following questions. (04)**
- (1) NTFS stands for _____.
 - (2) TCP/IP reference model contains _____ layers.
 - (3) CSMA stands for _____.
 - (4) OSI reference model is developed by _____.
- (B) Attempt following. (Attempt any one) (02)**
- (1) Explain File services.
 - (2) What is network topology? List out types of network topology.
- (C) Attempt following. (Attempt any one) (03)**
- (1) Explain network access methods.
 - (2) Explain Communication methods.
- (D) Attempt following. (Attempt any one) (05)**
- (1) Explain peer to peer and client server network.
 - (2) Explain TCP/IP reference model.
- Q-2 (A) Attempt following questions. (04)**
- (1) IEEE stands for _____.
 - (2) CDM stands for _____.
 - (3) Cable media is faster than wireless media. (True/False)
 - (4) FDM stands for Fine Division Multiple. (True/False)
- (B) Attempt following. (Attempt any one) (02)**
- (1) What is transmission media?
 - (2) What is gateway?
- (C) Attempt following. (Attempt any one) (03)**
- (1) What is switching? List all switching methods.
 - (2) Write note on MODEM.
- (D) Attempt following. (Attempt any one) (05)**
- (1) Explain TDM in detail.
 - (2) Explain wireless media in detail.
- Q-3 (A) Attempt following questions. (04)**
- (1) SNMP stands for _____.
 - (2) IGRP stands for _____.
 - (3) RARP stands for _____.
 - (4) IPX stands for _____.
- (B) Attempt following. (Attempt any one) (02)**
- (1) What is Protocol? List out various protocols.
 - (2) What is packet?

- (C) Attempt following. (Attempt any one) (03)
- (1) Explain OSPF protocol in brief.
 - (2) Write note on TELNET.
- (D) Attempt following. (Attempt any one) (05)
- (1) What is routing? Why it is required on network?
 - (2) Explain TCP/IP protocol stack in detail.
- Q-4 (A) Attempt following questions. (04)
- (1) DHCP stands for _____.
 - (2) As per IP address class B consists _____ bit for network ID.
 - (3) _____ command is required to check connection status between two computers.
 - (4) MMC stands for _____.
- (B) Attempt following. (Attempt any one) (02)
- (1) What is IP address?
 - (2) What is active directory?
- (C) Attempt following. (Attempt any one) (03)
- (1) Write note on IP subnet.
 - (2) Explain basic structure of ipv6.
- (D) Attempt following. (Attempt any one) (05)
- (1) Explain various editions of windows server 2008.
 - (2) Explain class structure of ipv4.
- Q-5 (A) Attempt following questions. (04)
- (1) PPTP stands for _____.
 - (2) ISP stands for _____.
 - (3) VPN stands for Vital Public Network. (True/False)
 - (4) PPP stands for _____.
- (B) Attempt following. (Attempt any one) (02)
- (1) What is network security?
 - (2) What is proxy server?
- (C) Attempt following. (Attempt any one) (03)
- (1) Explain requirements of network security.
 - (2) Write note on CCTV technology.
- (D) Attempt following. (Attempt any one) (05)
- (1) What is GPS? Explain applications of GPS.
 - (2) What is VPN? Explain VPN protocols in detail.
