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Seat No. _____

0032044003

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)(W.E.E. 2019) BSCIT (2019) Semester - 4 Examination

BSCIT - 4 April-2023

CS-21 NETWORK TECHNOLOGY & ADMINISTRATION

Time : 2.5Hours]

[Total Marks : 70

- | | | |
|---|---|---|
| 1 | (A) Answer the following: | 4 |
| 1 | MAN Stands for _____ | |
| 2 | FDDI stands for _____ | |
| 3 | CSMA/CD stands for _____ | |
| 4 | IP stands for _____ | |
| | (B) Answer in brief (Any one out of two) | 2 |
| 1 | What is Token Passing? | |
| 2 | Explain Polling. | |
| | (C) Answer in detail (Any one out of two) | 3 |
| 1 | Explain Ring Topology. | |
| 2 | Explain Bus Topology. | |
| | (D) Write a note on (Any one out of two) | 5 |
| 1 | Explain OSI Reference Model with Layers. | |
| 2 | Explain TCP/IP model with Layers. | |
| 2 | (A) Answer the following: | 4 |
| 1 | WDM stands for _____ | |
| 2 | CDM stands for _____ | |
| 3 | FDM stands for _____ | |
| 4 | TDM stands for _____ | |
| | (B) Answer in brief (Any one out of two) | 2 |
| 1 | What is Multiplexing? | |
| 2 | What is IP Address? | |
| | (C) Answer in detail (Any out of two) | 3 |

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- 1 Explain Circuit Switching.
- 2 Explain Message Switching.

5

(D) Write a note on (Any one out of two)

- 1 Explain Bluetooth and Microwave in details.
- 2 Explain IPv6.

3 (A) Answer the following:

- 1 FTP stands for _____
- 2 HTTP stands for _____
- 3 ARP stands for _____
- 4 RFCOMM stands for _____

4

(B) Answer in brief (Any one out of two)

- 1 What is L2CAP?
- 2 What is Apple Talk?

2

(C) Answer in detail (Any one out of two)

- 1 Explain Router.
- 2 Explain Gateway.

3

(D) Write a note on (Any one out of two)

- 1 Explain Switch and bridge. (Layer – 2 Devices)
- 2 Explain Modem & Hub.

5

4 (A) Answer the following:

- 1 BGP stands for _____
- 2 MMC stands for _____
- 3 RIP stands for _____
- 4 IGRP stands for _____

4

(B) Answer in brief (Any one out of two)

- 1 What is Routing?
- 2 What is Logging Events ?

2

(C) Answer in detail (Any one out of two)

- 1 Explain types of routing.
- 2 Write Installation step of 2008 Enterprise server.

3

(D) Write a note on (Any one out of two)

- 1 Explain Distance vector Routing.

5

2 Explain Policy of Active Directory.

5 (A) Answer the following:

1 VPN stands for _____

2 GPRS stands for _____

3 PPTP stands for _____

4 L2TP stands for _____

4

(B) Answer In brief (Any one out of two)

1 What is Firewall?

2 What is Proxy Server?

2

(C) Answer in detail (Any one out of two)

1 Explain GPS.

2 Explain Security Principle of CIA Model.

3

(D) Write a note on (Any one out of two)

1 Explain Security Methods.

2 Explain Dialup and Lease Line Technology.

5