



DAH-003-2044003

Seat No. _____

B. Sc. (IT) (Sem. IV) (W.E.F. 2019) Examination

April - 2022

CS-21 : Networking Technology & Administration

Faculty Code : 003

Subject Code : 2044003

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (A) Objective type questions: 4
- (1) OSI Stands for _____.
 - (2) LAN Stands for _____.
 - (3) CDDI Stands for _____ .
 - (4) P2P is network topology? True/False.
- (B) Answer the following question. (Any 1 out of 2) 2
- (1) Define what is network and write any two use of network.
 - (2) Explain client server network model.
- (C) Answer the following question. (Any 1 out of 2) 3
- (1) Define any two network services in detail.
 - (2) Define csma/cd and csma/ca in detail.
- (D) Answer the following question. (Any 1 out of 2) 5
- (1) Write a detail note on network topologies.
 - (2) Write a detail note on communication methods.
- 2 (A) Objective type questions: 4
- (1) The microwave is the electromagnetic waves with frequency ranging from _____ to _____ GHz.
 - (2) The _____ transmission media is one which does not use the physical medium to transmit information from one computer to another.
 - (3) Which cable consists of two insulated copper wires twisted together?
 - (4) How many connectors used for coaxial cable?

- (B) Answer the following question. (Any 1 out of 2) **2**
 (1) Explain twisted pair cable in brief.
 (2) Explain fiber optic cable in brief.
- (C) Answer the following question. (Any 1 out of 2) **3**
 (1) Write a note on any 2 types of unguided media.
 (2) Explain about ip address with its types on brief.
- (D) Answer the following question. (Any 1 out of 2) **5**
 (1) Write a detail note on multiplexing types.
 (2) Write a detail note an types of ipv6.
- 3** (A) Objective type questions: **4**
 (1) ARP Stands for _____.
 (2) RARP Stands for _____.
 (3) L2CAP Stands for _____.
 (4) RFCOMM Stands for _____.
- (B) Answer the following question, (Any 1 out of 2) **2**
 (1) Write short note on POP3.
 (2) Explain about Apple talk in brief.
- (C) Answer the following question. (Any 1 out of 2) **3**
 (1) Write a note on DSL and ADSL.
 (2) Explain about connection oriented protocol in brief.
- (D) Answer the following question. (Any 1 out of 2) **5**
 (1) Difference between HTTP vs. FTP.
 (2) Write a detail note layer3 devices.
- 4** (A) Objective type questions: **4**
 (1) OSPF Stands for _____.
 (2) IS-IS Stands for _____.
 (3) BGP Stands for _____.
 (4) DVR Stands for _____.
- (B) Answer the following question. (Any 1 out of 2) **2**
 (1) Write short note on logging event.
 (2) Explain about MMC in brief.
- (C) Answer the following question. (Any 1 out of 2) **3**
 (1) Explain in detail about OSPF.
 (2) Explain in detail about RIPv2.

- (D) Answer the following question. (Any 1 out of 2) **5**
- (1) Difference between RIP vs. EIGRP.
 - (2) Difference between interior routing vs. exterior routing.
- 5** (A) Objective type questions: **4**
- (1) _____ also known as video surveillance.
 - (2) Only one station is required in a GPRS system.
True/False.
 - (3) L2TP Stands for _____.
 - (4) _____ is a portable navigation facility available on
a Smartphone.
- (B) Answer the following question. (Any 1 out of 2) **2**
- (1) Write short note CIA-model.
 - (2) Explain proxy server in brief.
- (C) Answer the following question. (Any 1 out of 2) **3**
- (1) Write a note ISDN and dial up technology in detail.
 - (2) Write a detail note on encryption security method.
- (D) Answer the following question. (Any I out of 2) **5**
- (1) Difference between GPS vs. GPRS.
 - (2) Write a detail VPN protocol with its type.
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