



**MAY-003-1044003** Seat No. \_\_\_\_\_

**B. Sc. (I.T.) (Sem. IV) (CBCS) Examination**

**March / April - 2018**

**CS - 21 : Network Technology & Administration**

**Faculty Code : 003**

**Subject Code : 1044003**

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

[Total Marks : 70

- 1 (A) Answer the following : 4
- (1) Full form of CSMA/CA is \_\_\_\_\_
  - (2) Full form of FDDI is \_\_\_\_\_
  - (3) Full form of OSI is \_\_\_\_\_
  - (4) In \_\_\_\_\_ Topology every node is connected through a central device such as a Hub, Switch or Router.
- (B) Answer the following : (Any **One** out of Two) 2
- (1) What is network?
  - (2) What is Unicasting?
- (C) Answer the following : (Any **One** out of Two) 3
- (1) What is Token Passing?
  - (2) What is Disk quota?
- (D) Answer the following : (Any **One** out of Two) 5
- (1) Explain OSI reference model with 7 layers.
  - (2) Explain Advance network Topologies.
- 2 (A) Answer the following : 4
- (1) Full form of FDM is \_\_\_\_\_
  - (2) Full form of TP-DDI is \_\_\_\_\_
  - (3) Full form of TDM is \_\_\_\_\_
  - (4) List out types of Co-Axial cable.

- (B) Answer the following : (Any **One** out of Two) **2**
- (1) What is IP address?
  - (2) List out unguided media.
- (C) Answer the following : (Any **One** out of Two) **3**
- (1) Explain IPV4.
  - (2) Explain Fiber Optic cable.
- (D) Answer the following : (Any **One** out of Two) **5**
- (1) Explain Multiplexing and Demultiplexing.
  - (2) Explain Switching Technology.
- 3** (A) Answer the following : **4**
- (1) Full form of HTTP is \_\_\_\_\_
  - (2) Full form of ARP is \_\_\_\_\_
  - (3) Which networking device receives signal from the source, amplifies it and send it to multiple destinations or computers.
  - (4) Full form of NIC is \_\_\_\_\_
- (B) Answer the following : (Any **One** out of Two) **2**
- (1) What is LAN CARD?
  - (2) What is SMTP?
- (C) Answer the following : (Any **One** out of Two) **3**
- (1) Explain Apple Talk.
  - (2) Explain Router.
- (D) Answer the following : (Any **One** out of Two) **5**
- (1) Explain Layer 2 Devices.
  - (2) Explain Wireless Network devices.
- 4** (A) Answer the following : **4**
- (1) Full form of MMC is \_\_\_\_\_
  - (2) Full form of BGP is \_\_\_\_\_
  - (3) Full form of RIP is \_\_\_\_\_
  - (4) Full form of OSPF is \_\_\_\_\_

- (B) Answer the following : (Any **One** out of Two) **2**
- (1) What is Routing?
  - (2) What is Logging Events?
- (C) Answer the following : (Any **One** out of Two) **3**
- (1) Explain Security and Audit Policy.
  - (2) Explain User, Group and computer accounts.
- (D) Answer the following : (Any **One** out of Two) **5**
- (1) Explain Installation and Configuration of active directory.
  - (2) Explain types of routing.
- 5** (A) Answer the following : **4**
- (1) Full form of CIA is \_\_\_\_\_
  - (2) Full form of ISDN is \_\_\_\_\_
  - (3) Full form of VPN is \_\_\_\_\_
  - (4) Full form of GPS is \_\_\_\_\_
- (B) Answer the following : (Any **One** out of Two) **2**
- (1) What is Encryption?
  - (2) What is Proxy Server?
- (C) Answer the following : (Any **One** out of Two) **3**
- (1) Explain Firewall.
  - (2) Explain Cryptography.
- (D) Answer the following : (Any **One** out of Two) **5**
- (1) Explain Requirement of Network Security.
  - (2) Explain VPN Protocols.
-