



MAL-003-003503 Seat No. _____

B. C. A. (Sem. V) (CBCS) Examination

October / November - 2016

CS-27 : Network Technology & Administration
(Old Course)

Faculty Code : 003

Subject Code : 003503

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

[Total Marks : **70**

1 Answer the following : 20

- (1) What is network? List out network services.
- (2) List out Network model.
- (3) Explain BUS Topology.
- (4) What is CSMA/CD ?
- (5) What is De facto?
- (6) What is the meaning of OSI?
- (7) Give full form of LAN, WAN, MAN.
- (8) What is token passing?
- (9) What is SNMP monitoring?
- (10) What is SLIP and PPP?
- (11) Give types of transmission cable.
- (12) Give types of wireless transmission media.
- (13) What is Multiplexing?
- (14) What is NIC?
- (15) Give use of Repeater.
- (16) Give use of TCP/IP.
- (17) Give use of BGP.
- (18) What is the main difference between IPV4 and IPV6?
- (19) Use of MMC.
- (20) What is CIA Model?

2 (a) Answer the following : (any **three**) **6**

- (1) Explain Network concept.
- (2) Explain any two Network Services.
- (3) Explain LAN and MAN.
- (4) Explain Peer to Peer network
- (5) Explain Client Server network
- (6) Explain Mesh and Ring Topology.

(b) Answer the following : (any **three**) **9**

- (1) Explain de jurie standards.
- (2) Explain FDM and TDM.
- (3) Explain Kernel configuration in Bridge.
- (4) Explain any two advanced bridging concept.
- (5) Explain Brouter Gateways.
- (6) Explain kernel configuration in wireless networks.

(c) Answer the following : (any **two**) **10**

- (1) Explain OSI Reference Model.
- (2) Explain Modems including synchronous and asynchronous.
- (3) Explain Hub in detail.
- (4) Explain Routing including Router.
- (5) Explain Switching Techniques Circuit.

3 (a) Answer the following : (any **three**) **6**

- (1) What is Network Packets?
- (2) What is Network Protocol?
- (3) What is Apple Talk?
- (4) What is DLC and SMB?
- (5) What is NetBIOS name?
- (6) What is CARP?

(b) Answer the following : (any **three**) **9**

- (1) Explain L2CAP, RFCOMM Protocol.
- (2) Explain Network Routing Protocol.
- (3) Explain IP Addressing.
- (4) Explain IP Address Classes.
- (5) Explain Subnetting and Supernetting.
- (6) Explain IPV6.

(c) Answer the following : (any **two**) **10**

- (1) Explain Accounts in windows server.
- (2) Explain Installation steps of windows server 2007.
- (3) Explain Network Security Paradigm.
- (4) Explain Network Security in Layers.
- (5) Explain Network Security wheels.
