

25/04/13

- N.B. : (1) All questions are compulsory.  
(2) Figures to right indicate full marks.

1. (a) Write full form of following Abbreviations (any five) :- 5
  - (i) DML (ii) OSI (iii) LAN (iv) FMS (v) DNS (vi) DBMS (vii) IDS
- (b) State whether the following statement is true/false (any five) :- 5
  - (i) Over Network only data files may be shared but executable files can not be shared.
  - (ii) WAN is used to cover a Vast geographical area.
  - (iii) Troubleshooting a star topology network is difficult than bus topology.
  - (iv) Routers provides excellent Traffic Management using proper path selection.
  - (v) DBMS is a software system that allows user to define create maintain and control access to the database.
  - (vi) Analog signals are not a continuous electrical signals.
  - (vii) Encryption is converting original text into unreadable text.
- (c) Choose correct alternative from given below (any five) :- 5
  - (i) \_\_\_\_\_ Statement is used to add a row (record) into the specified table.
    - (1) Update (2) Insert (3) Alter
  - (ii) \_\_\_\_\_ cable is twisted in Shield form.
    - (1) Coaxial Cable (2) Shield Twisted (3) Fiber Optics
  - (iii) \_\_\_\_\_ is used to connect two LAN Segment at data link layer.
    - (1) Bridge (2) Repeater (3) Hubs
  - (iv) \_\_\_\_\_ statement retrives records from a table, based on the users criteria.
    - (1) Update (2) Alter (3) Select
  - (v) \_\_\_\_\_ topology comes in Ring format.
    - (1) Ring (2) Star (3) Bus
  - (vi) The code that is used in a Sub Procedure to stop execution of a program is \_\_\_\_\_.
    - (1) End (2) End with (3) End sub
  - (vii) \_\_\_\_\_ is a system of Software and Hardware components.
    - (1) Firewall (2) Switch (3) Spyware
2. (a) Discus TCP/IP based Network Model. 8
- (b) Discuss Intrusion Detection systems in detail. 7
- OR**
2. (a) Explain the different data types in MS-Access. 8
- (b) Write a program in Visual Basic to accept a number and give square root of the same number. 7
3. (a) Write a programme visual basic to accept two numbers and give addition, Multiplication of same number. 8
- (b) Discuss advantages and disadvantages of DBMS. 7
- OR**
3. (a) What is Firewall ? Explain its functions and limitations. 8
- (b) Give advantages and disadvantages of Ring Topology. 7
4. Write short note (any three) :- 15
  - (a) Packet Switching
  - (b) Virtual Private Network
  - (c) Twisted Pair Cables
  - (d) Entity Relationship
  - (e) Star Topology.