Time: 2 ½ hrs.   **Marks:75**

Note: **1.** All questions are compulsory.
                 2. From Q2 to Q4 attempt either "A" and "B" or "C" and "D".
                 3. From Q5 do either "A" or "B".

Q1 (A) Multiple choice questions (Any 8)   **(08)**

1. Hard disk is an example of _____ memory.
   (a) Primary   (b) Secondary
   (c) Network   (d) None of these
2. RAM is _____ memory.
   (a) Volatile   (b) Non volatile
   (c) Secondary   (d) None of these

3. _____ is an example of output device.
   (a) OMR   (b) OCR
   (c) BCR   (d) CRT
4. _____ is not a topology.
   (a) Star   (b) Satellite
   (c) Bus   (d) Ring
5. _____ can read Mac address.
   (a) HUB   (b) Switch
   (c) Router   (d) Repeater
6. _____ is a large network of computers.
   (a) LAN   (b) MAN
   (c) WAN   (d) PAN
7. To edit contains of a cell _____ function key can be used.
   (a) F1   (b) F2
   (c) F3   (d) F4
8. _____ Option is not available under 'what-if' analysis.
   (a) Scenario manager   (b) Goal seek
   (c) Sort   (d) Data tables
9. _____ SEO techniques are also known as spamdexing.
   (a) White hat   (b) Grey hat
   (c) Black hat   (d) Red hat
10. _____ is an example of B2C type of E-commerce.
    (a) Amazon.com   (b) Flipkart.com
    (c) Snapdeal.com   (d) All of these

Q1 (B) State whether the following statements are true or false. (Any 7)   **(07)**
1. Primary memory is volatile.
2. DOS is single user and multi-tasking operating system.
3. Interpreters are faster than compilers.
4. Sixth layer of OSI model is network layer.
5. Transmission media can be wire or wireless.
6. Heavy network traffic can slow down a bus network.
7. CTRL+V is used for copy operation.
8. Downloading is same as data transfer.
9. EDI allows paperless transactions.
10. In E-commerce you can locate the product quickly and easily.

Q2 **(A)** Explain types of computer memory. (08)
(B) Name and explain any 3 input devices of computer. (07)

<div align="center">OR</div>

Q2 **(C)** Explain types of network topologies. (08)
(D) What is online hardware? (07)

Q3 **(A)** Explain any 8 functions of Ms Excel. (08)
(B) State difference between VLOOKUP and HLOOKUP. (07)

<div align="center">OR</div>

Q3 **(C)** Explain working of search engine. (08)
(D) Explain web server in detail. (07)

Q4 **(A)** Define Ecommerce. Explain advantages and disadvantages of ecommerce. (08)
(B) Explain concept of threat management. (07)

<div align="center">OR</div>

Q4 **(C)** Explain different types of ecommerce with example. (08)
(D) Write short note on Trojan horse. (07)

Q5 **(A)** What is computer? Explain features of computer in detail. (15)

<div align="center">OR</div>

Q5 **(B) Write short notes on (Any 3)** (15)
   i. URL
   ii. BLOG
   iii. Email
   iv. Peer to Peer network architecture
   v. HTTP

<div align="center">---X---</div>