



Time: 2:30 hrs.

Marks:75

- Note:**
1. All questions are compulsory with internal options.
 2. Figures to the right indicate full marks.
 3. Draw neat and clean diagram whenever necessary.

Q1 (A) Choose correct alternatives. (Any 8)**(08)**

1. _____ is plural of datum, which means a single piece of information.
(a) Information (b) Data
(c) Database (d) Both (a) and (b)
2. Digital economy refers to an economy that is based on _____ computing technologies.
(a) super (b) Electronic
(c) new (d) Digital
3. The term _____ refers to something people can modify and share.
(a) Open source (b) Shareware
(c) Freeware (d) Copyright
4. DOS stands for _____.
(a) Disk Operating System (b) Dual Operating System
(c) Data Operating System (d) Both (a) and (b)
5. HLOOKUP stands for _____.
(a) Hypertext lookup (b) High lookup
(c) Horizontal lookup (d) Hyperlink lookup
6. Which of the following is not correct method of editing the cell content?
(a) Press the Alt key (b) Press the F2 key
(c) Click the formula bar (d) Double click the cell
7. Uploading photo from mobile to desktop computer is an example of _____.
(a) PAN (b) MAN
(c) LAN (d) WAN
8. KBS stands for _____.
(a) known based system (b) knock based storage
(c) knowledge based system (d) none of the above
9. IP address stands for _____.
(a) Interactive Protocol (b) Internet Protocol
(c) Intelligent Protocol (d) Information Protocol
10. The _____ is the core of the system and manages the CPU, memory and peripheral devices.
(a) Daemon (b) Shell
(c) Kernel (d) Boot

Q1 (B) State whether the following statements are true or false. (Any 7)**(07)**

1. HTTP means hypertext transfer protocol.
2. HUB has single collision domain.
3. A web server is a computer on an internet that contains one or more websites.
4. CTRL+B is a shortcut to go back last steps.
5. OSI model contains six layers.
6. CTRL+F is used to search word in ms word.
7. EFT stand for Electronic Fund Transfer.
8. URL is also called as web address.
9. GPS device can help us to find our destination correctly.
10. Simple Mail Transfer Protocol is used for Email.

Q2 (A) Explain the concept of database in detail.**(08)****(B) What is the difference between data, information and knowledge?****(07)**

OR

(A) What is operating system? Explain different operating systems in detail. (08)

(B) What is Digital economy? What are the components of digital economy? (07)

Q3 (A) Explain Ms Excel logical functions and its uses in detail. (08)

(B) Explain difference between VLOOKUP and HLOOKUP. (07)

OR

(A) Write a short note on mail merge. (08)

(B) What are header and footer? How to insert it in word? Explain with example. (07)

Q4 (A) Explain in brief types of network topologies. (08)

(B) Compare LAN, MAN and WAN in detail. (07)

OR

(A) Explain the concept of bridges and routers. (08)

(B) Explain network classification based on architecture. (07)

Q5 (A) What is risk mitigation? Explain its strategies. (08)

(B) Explain concept of threat management. (07)

OR

Q5 Write short notes on (Any 3) (15)

i. Domain name system

ii. Switch

iii. Shared hosting

iv. Hub

v. Management information system

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