

Time: 2½ hrs.

Marks:75

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

Q. 1 (A) Fill in the blanks with the correct answer from the alternatives given below. (08)

Attempt any 8)

- (1) Digital Signature assurance _____
(Integrity, Privacy, Confidentiality, All of the mention)
- (2) _____ is the heart of Linux
(Kernel, System library, System utility, Hardware)
- (3) _____ is not a main component of a CBIS
(Hardware, Software, Data, Medium)
- (4) Packet filtering is the technique of _____
(Firewall, DNS, Spam, Ecommerce)
- (5) _____ is an extremely fast computer, which can execute hundreds of millions of instructions per second?
(Workstation, Mini computer, Mainframe, Super computer)
- (6) _____ reduces duplication of data between tables and gives the table as much flexibility as possible
(RDBMS, Normalization, Verification, Validation)
- (7) _____ is an organized collection of related information
(Database, Table, DBMS, DBS)
- (8) _____ is a synonym for row in a table
(Record, Column, Field, Attribute)
- (9) _____ system is an organized system for the collection, organization, storage and communication of information
(Information, Data, Database, Enterprise)
- (10) Portrait and Landscape are _____ in word
(Page Orientation, Paper Size, Page Layout, Page Margin)

(B) State whether the following statements are true or false. (Attempt any 7) (07)

- (1) Bookmarks allow you to assign names to text or to positions in your document.
- (2) Kernel is heart of Linux.
- (3) Ubuntu is the paid Operating System.
- (4) Smart art option is in Insert menu of MS-outlook.
- (5) Bridge help to join two otherwise separate computer network through wire
- (6) Electronic funds transfer is mostly known as EDI
- (7) Transaction Processing System is used by middle level management.
- (8) Flipkart.com and Amazon.com is an example of digital organization
- (9) Gmail is Google's paid e-mail service.
- (10) The term open source refers to something people cannot modify and share publicly

- Q.2 A. Explain Information to knowledge cycle with suitable diagram. (07)
 B. Explain Following term in detail (08)
- DBMS
 - Enterprise Data
 - Metadata
 - Primary key
- OR
- Q.2 P. Explain Database and data types in detail. (07)
 Q. Explain Datawarehouse and its function in detail. (08)
- Q.3 A. Explain different types of chart that can be drawn in MS Excel. (07)
 B. Explain Cross Reference, Bookmark and Hyperlink. (08)
- OR
- Q.3 P. State the difference between VLOOKUP and HLOOKUP (07)
 Q. Explain Mail merge in detail also mention the steps to create mail merge (08)
- Q.4 A. Difference between Bulk Email Software and Bulk Email Service (07)
 B. Explain the concept of Intranet and Extranet. (08)
- OR
- Q.4 P. What are the advantages and disadvantages of E-Commerce? (07)
 Q. Explain LAN, MAN, WAN with suitable diagram. (08)
- Q.5 A. What is Risk Mitigation and management? Explain its Strategies. (07)
 B. What Does Information Systems Security (INFOSEC) Mean? (08)
- OR
- Q.5 Write short notes on (Attempt any 3) (15)
- Explain concept, component and benefits of Firewall
 - Explain Digital signature and its benefits in detail.
 - Explain following terms:
 - Protocols
 - URL
 - Web Servers
 - Web Browsers
 - IP address
 - Explain in brief about Real Time, Online and Batch Processing System?
 - Explain Types of Threats in detail.

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