Time: 2½ hrs.

Marks:75

Note:
1. All questions are compulsory with internal options.
2. The figures to the right indicate full marks.
3. Draw a 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) What is data?
  (a) Processed information
  (b) Raw facts and figures
  (c) Meaningful insights
  (d) Predictive analysis

(2) Which of the following represents structured data?
  (a) A collection of unorganized text documents
  (b) Customer names and addresses in a database
  (c) Social media comments
  (d) Images and videos

(3) Which of the following is an example of tacit knowledge?
  (a) A user manual
  (b) A company's financial report
  (c) An employee's problem-solving skills
  (d) A product brochure

(4) What is the primary purpose of data visualization?
  (a) To hide information
  (b) To make data harder to understand
  (c) To present data in a more understandable way
  (d) To increase data complexity

(5) In the DIKW hierarchy, what comes after knowledge?
  (a) Data
  (b) Wisdom
  (c) Information
  (d) Insight

(6) What is the default file format for saving documents in Microsoft Word 2019?
  (a) .doc
  (b) .docx
  (c) .txt
  (d) .pdf

(7) In Microsoft Excel, what function is used to count the number of cells that contain numerical values within a specified range?
  (a) SUM
  (b) AVERAGE
  (c) COUNT
  (d) MAX

(8) What does "HTTP" stand for in the context of the internet?
  (a) HyperText Transfer Protocol
  (b) High-Tech Text Printing Hub
  (c) Hyperlink and Text Transfer Process
  (d) Hypermedia Technology for Transfer and Processing

(9) What does "URL" stand for?
  (a) Universal Resource Locator
  (b) Uniform Reference Link
  (c) United Resource Location
  (d) Uniform Retrieval Link

(10) What is the primary function of a "web server" on the internet?
  (a) To receive and store email messages
  (b) To display web pages to users
  (c) To protect against malware
  (d) To provide a secure internet connection

(B) **State whether the following statements are True or False. (Attempt any 7)** (07)
(1) Open Source Software (OSS) is always free of charge.
(2) Users of Open Source Software are not allowed to modify the source code.
(3) Open Source Software is always of lower quality than proprietary software.
(4) Open Source Software is not suitable for businesses due to its lack of support options.
(5) Functions and formulas in spreadsheet applications are used to perform calculations and manipulate data.

(6) A spreadsheet can have multiple worksheets within the same file, each with its own data and calculations.

(7) A cell reference in a formula typically includes the column letter and row number (e.g., A1, B2).

(8) E-commerce and M-commerce are interchangeable terms that mean the same thing.

(9) In E-commerce, the shopping experience is typically limited to desktop computers and laptops.

(10) E-commerce and M-commerce both involve the physical exchange of goods and services.

Q.2 (a) Explain Information to knowledge cycle with diagram. (08)

(b) Explain Management Support System (MSS) and Decision Support System (DSS) (07)

OR

Q.2 (p) Explain DOS and its feature, advantages and disadvantages. (08)

(q) Explain Datawarehouse and its function in detail. (07)

Q.3 (a) State the difference between VLOOKUP and HLOOKUP. (08)

(b) Explain Mail merge in detail also mention the steps to create mail merge. (07)

OR

Q.3 (p) Explain Data Validation in excel. (08)

(q) Define Column chart, Pie chart and Scattered chart with example. (07)

Q.4 (a) Explain steps to write a professional email. (08)

(b) Difference between Bulk Email Software and Bulk Email Service (07)

OR

Q.4 (p) What are Benefits and drawback of M-Commerce? (08)

(q) Explain LAN, MAN, WAN with suitable diagram. (07)

Q.5 (a) What is Risk Mitigation and management? (08)

(b) Explain Types of Threats in detail. (07)

OR

Q.5 (p) Write short notes on (Attempt any 3) (15)

(1) Explain Risk Mitigation Strategies.

(2) Explain Electronic Data Interchange

(3) What is real time system? Explain it types.

(4) Explain firewall and its key components

(5) Explain How Secure Is Email?

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