

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) Who is known as the "Father of Computers"?
(a) Alan Turing (b) Charles Babbage
(c) John von Neumann (d) Bill Gates
- (2) Which of the following is NOT a storage device?
(a) Hard Disk (b) RAM
(c) Printer (d) SSD
- (3) Which of the following is an example of application software?
(a) Window OS (b) MS Word
(c) Linux Kernel (d) BIOS
- (4) Which topology connects all devices to a central hub?
(a) Star topology (b) Ring topology
(c) Bus topology (d) Mesh topology
- (5) In MS Word, which feature allows you to combine a template with data?
(a) Page Setup (b) Mail Merge
(c) Print Preview (d) Formatting
- (6) Which tool in PowerPoint allows you to add animations to slides?
(a) Transitions (b) Review
(c) Animation Pane (d) Slide Sorter
- (7) Which of the following tools is commonly used for creating invoices in accounting software?
(a) Mail Merge (b) Formula bar
(c) Vouchers (d) TDS Calculator
- (8) Which of the following allows users to download files from the internet?
(a) FTP (b) HTTP
(c) SMTP (d) DNS
- (9) What is EDI in e-commerce?
(a) Electronic Data Integration (b) Electronic Data Interchange
(c) Easy Data Integration (d) Enhanced Data Information
- (10) Which term describes unauthorized access to a network?
(a) Encryption (b) Hacking
(c) Browsing (d) Streaming

(B) State whether the following statements are True or False. (Attempt any 7) (07)

- (1) The term "software" refers only to system programs like operating systems.
- (2) Topology in networking refers to how devices are connected.
- (3) A ring topology connects devices in a linear sequence.
- (4) Application software is always pre-installed on a computer.
- (5) Mail Merge is a tool for merging emails.
- (6) A web browser allows users to view and interact with websites.
- (7) Search engine optimization (SEO) improves a website's visibility in search results.
- (8) Legal issues do not affect e-commerce operations.
- (9) Security is not a concern in online payment systems.
- (10) Electronic commerce reduces the need for physical stores.

- Q.2 (a)** What is a CD Drive? Explain its types. (08)
- (b)** Define Peer-to-Peer networks and describe their features (07)
- OR**
- Q.2 (p)** Discuss various types of network topologies with examples. (08)
- (q)** Explain Client-Server Architecture and its advantages. (07)
- Q.3 (a)** Compare VLOOKUP and HLOOKUP in MS Excel. (08)
- (b)** Discuss the Mail Merge process in MS Word. (07)
- OR**
- Q.3 (p)** Explain the following Excel functions: (08)
- o PMT()
 - o AVERAGE()
 - o UPPER()
 - o MAX()
- (q)** Define Column chart and Pie chart, providing appropriate diagrams. (07)
- Q.4 (a)** Differentiate between a Pivot Table and a Normal Data Table. (08)
- (b)** What is an Intranet? Explain its advantages. (07)
- OR**
- Q.4 (p)** Discuss six key features of E-commerce. (08)
- (q)** Explain the following E-commerce models with examples: (07)
- o B2C
 - o C2B
 - o C2C
 - o B2B
- Q.5 (a)** What is Web Hosting? Describe different types of web hosting. (08)
- (b)** Explain online payment systems and the risks associated with them. (07)
- OR**
- Q.5 (p)** Write short notes on (Attempt any 3) (15)
- (1) Write a short note on the Trojan Horse malware.
 - (2) What is a value chain in E-commerce? Explain its importance.
 - (3) Explain the concept of Threat Management in cybersecurity.
 - (4) What role do marketing promotion strategies play in E-commerce?
 - (5) Define E-commerce infrastructure and its key components.