

Note: Section I is compulsory. Attempt any Three (3) questions from Section II.

(SECTION - I)**2 - Write short answers to any SIX questions.****(2 x 6 = 12)**

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|---|-------------------------------------|
| i - What is system testing in S.D.L.C? | vi - What is server computer? |
| ii - What is digital camera? | vii - What is work group computing? |
| iii - What is the working of Fax Modem? | viii - Define a website. |
| iv - How does scanning devices work? | ix - Write the purpose of D.N.S. |
| v - Define computer network. | |

3 - Write short answers to any SIX questions.**(2 x 6 = 12)**

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| i - Enlist encoding schemes. | vi - Describe the typing modes in word processor. |
| ii - Why fibre optic cable is so fast? | vii - Write the procedure to insert the column in word processor. |
| iii - What is serial transmission? | viii - Write a formula to calculate the average of cells A ₂ to E ₂ . |
| iv - How computers are beneficial for weather forecasting? | ix - What is the most powerful feature of worksheet and why? |
| v - Write two uses of computers at home. | |

4 - Write short answers to any SIX questions.**(2 x 6 = 12)**

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| i - Describe the role of I/O unit. | vi - Differentiate between virus and antivirus. |
| ii - What program counter register holds? | vii - What is data security? |
| iii - Differentiate between CX and DX registers. | viii - Define internet explorer. |
| iv - What is instruction set? | ix - Discuss the concept of multitasking. |
| v - Define the role of interpreter. | |

(SECTION - II)

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| 5 - Explain computer software and its categories. | (8) |
| 6 - Define topology, write names of different topologies, also discuss star topology in detail. | (8) |
| 7 - What is meant by encoding of data? Explain different data encoding schemes. | (8) |
| 8 - What are ports? Describe different types of ports. | (8) |
| 9 - What is a virus? Describe different sources of spreading virus. | (8) |