

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 - How is hardware different from software?
Give two examples. | vi - How does ring topology work? |
| ii - Write down the working of light pen. | vii - What is the purpose of application layer? |
| iii - Enlist phases of SDLC. | viii - How do “Undo” and “Redo” commands work in MS-Word? |
| iv - What is the use of OCR?
(Optical Character Recognition) | ix - Write down the short cut keys for “Find” and “Replace” commands in MS-Word. |
| v - Differentiate between LAN and MAN. | |

3 - Write short answers to any SIX questions.

(2 x 6 = 12)

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| i - How can you present the idea of analog signal? | vi - How can you elaborate DMA? |
| ii - How does Half Duplex Mode work? | vii - Define CPU registers? |
| iii - What do you know about modulation? | viii - What is spread sheet? |
| iv - Why RAM is volatile memory? | ix - Explain the concept of function? |
| v - How do you explain data bus? | |

4 - Write short answers to any SIX questions.

(2 x 6 = 12)

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| i - What is E-banking? | vi - What is the purpose of Recycle Bin? |
| ii - Define reprographic. | vii - Name any four options of Control Pannel. |
| iii - What is Robot? | viii - Where are Websites hosted? |
| iv - Define password. | ix - Name any two disadvantages of E-mail. |
| v - What is antivirus software? | |

(SECTION – II)

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| 5 - Define Non-Impact printers. Explain Laser printer and Inkjet printer. | 2+3+3 (8) |
| 6 - Define protocol. Explain Token Ring and TCP/IP protocols. | 2+3+3 (8) |
| 7 - Define data communication. Explain different components of data communication. | 2+6 (8) |
| 8 - Explain any four components of computer architecture. | 2+2+2+2 (8) |
| 9 - Describe different threats to data security. Explain six solutions to these threats. | 2+6 (8) |