



COMPUTER SCIENCE HSSC-I

24

Time allowed: 2:40 Hours

Total Marks Sections B and C: 60

NOTE: Answer any thirteen parts from Section 'B' and any three questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION – B (Marks 39)

Q. 2 Attempt any THIRTEEN parts. The answer to each part should not exceed 5 to 6 lines. (13 x3 = 39)

- (i) What is IT? Write briefly.
- (ii) Differentiate between System Software and Application Software.
- (iii) Differentiate between Dot Matrix printer and Daisy Wheel printer.
- (iv) Define **Memory Cell**, **Memory Word** and **Byte**.
- (v) Differentiate between LAN and WAN.
- (vi) Write a short note on Plotter.
- (vii) What is Data Communication?
- (viii) What is meant by Simplex?
- (ix) Define Modulation. List three different types of modulations.
- (x) Differentiate between Asynchronous and Synchronous transmissions.
- (xi) What is meant by Fiber Optics?
- (xii) Write briefly the uses of Computer Simulation.
- (xiii) How can computer be useful in weather forecast?
- (xiv) Differentiate between E-mail Address and URLs.
- (xv) What is a Computer virus?
- (xvi) Define Word Wrap and Headers and Footers.
- (xvii) Write a short note on the rules for file and folders names.

SECTION – C (Marks 21)

Note: Attempt any THREE questions. All questions carry equal marks.

(3 x 7 = 21)

- Q. 3**
- a. Distinguish between Random Access Memory and Sequential Access Memory. (4)
 - b. Write down the basic elements of a data communication system. (3)
- Q. 4**
- a. Define Network Topology. Explain its types. (4)
 - b. Explain how computer can be useful in business. (3)
- Q. 5**
- a. Define the purpose of the following registers in Computer Systems: (4)
 - (i) Data Address Register (DAR)
 - (ii) Instruction Register (IR)
 - b. Why is it necessary to backup data regularly? (3)
- Q. 6**
- a. Explain how Recycle Bin is used. (4)
 - b. What is meant by file compression and how it is useful? (3)