COMPUTER SCIENCE HSSC–I
SECTION – A (Marks 15)

Time allowed: 20 Minutes

NOTE:- Section–A is compulsory. All parts of this section are to be answered on the question paper itself. It should be completed in the first 20 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Q. 1 **Circle the correct option i.e. A / B / C / D. Each part carries one mark.**

(i) Which register stores the result of ALU operations?

    A. Data Register   B. Instruction Register

    C. Data Address Register   D. Accumulator Register

(ii) Which device can serve as both Input and Output device?

    A. Printer   B. Scanner   C. Tele Printer   D. Mouse

(iii) Which of the following is a part of CPU?

    A. ALU   B. BIOS   C. ROM   D. RAM

(iv) Which of the following is **NOT** an Anti-Virus Software?

    A. Thunder byte   B. Mcafee   C. Norton   D. AVG

(v) Computer memory is measured in term of_____

    A. Bits   B. Bytes   C. Baud   D. Baud Width

(vi) _____devices are used for communication with the computer.

    A. CPU   B. Out put   C. Input   D. Input/Output

(vii) The capacity of data communication system is called _____

    A. Baud Width   B. Weightage   C. Capacity   D. Baud

(viii) The OSI model consists of _____layers.

    A. Five   B. Six   C. Eight   D. Seven

(ix) Which communication media provide high quality transmission at very high speed?

    A. Telephone lines   B. Fiber Optics

    C. Coaxial Cable   D. Satellites

(x) The use of computers in education started in _____

    A. 1967 AD   B. 1970 AD   C. 1971 AD   D. 1972 AD

(xi) What does a data bus carry?

    A. Data   B. Data and instructions

    C. Address   D. Data and Address

(xii) Windows is an operating environment created by _____

    A. GUI   B. Yahoo   C. Microsoft   D. Cisco

(xiii) In Windows to 'select all' you can press the keys _____

    A. Ctrl+S   B. Ctrl+Y   C. Ctrl+A   D. Ctrl+C

(xiv) _____is the best thing the internet has to offer.

    A. Chat   B. Facebook   C. In box   D. E-mail

(xv) Which of the following is **NOT** a Search Engine?

    A. Info Seek   B. Facebook   C. Excite   D. Lycos

For Examiner's use only:

Total Marks: 15

Marks Obtained:

—— 1HA 1312——

COMPUTER SCIENCE HSSC–I

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)**