Roll No. ☐☐☐☐☐

Sig. of Candidate._____

Answer Sheet No._____

Sig. of Invigilator._____

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) In _____ , each network node is connected to a central device called a hub.

A. Ring Topology   B. Bus Topology   C. Star Topology   D. Network Topology

(ii) EGA stands for _____.

A. Electrical Graphics Adaptor   B. Enhanced Graphics Adaptor
C. Electronic Graphic Adaptor   D. Electrical Ground Application

(iii) Which Layer of OSI Model furnishes electrical connections and signaling?

A. Network Layer   B. Data-link Layer
C. Physical Layer   D. Presentation Layer

(iv) In half-duplex mode data can be sent in_____.

A. One direction   B. Both the directions
C. Multi directions   D. Uni-direction

(v) The data Communication Speed is measured in a Unit called _____.

A. Band   B. Baud   C. Bit   D. Byte

(vi) Which register holds data addresses that refer to the data portion of memory?

A. Program Counter   B. Accumulator
C. Data Address Register   D. Instruction Register

(vii) The Address Bus is _____.

A. Uni-directional   B. Bi-directional
C. Multi-directional   D. Tri-directional

(viii) E-Commerce stands for _____.

A. Enhanced-Commerce   B. Electrical-Commerce
C. Electronic-Commerce   D. None of these

(ix) Which branch of law protects creative works from unauthorized use by other people?

A. Criminology   B. Copyright   C. Anthropology   D. None of these

(x) Drag and Drop technique allows us to _____.

A. Copy   B. Cut   C. Restore   D. None of these

(xi) Which of the following is used for copying and moving files and folders?

A. Internet Explorer   B. Control Panel
C. Windows Explorer   D. Windows Accessories

(xii) A central feature of all word processors is a feature known as _____.

A. Word Wrap   B. Mail Merge   C. Bold / Italic   D. Header / Footer

(xiii) Windows also has a mailing program called _____.

A. E-mail Utilities   B. Win Zip program
C. Navigator   D. Out look Express

(xiv) The roots of internet can be traced back to the late _____.

A. 1970s   B. 1960s   C. 1985   D. 1994

(xv) The basic and most elementary form of information is called _____.

A. DATA   B. TEXT   C. Voice   D. IMAGE

_____

For Examiner's use only:

Total Marks: | 15 |

Marks Obtained: | |

—— 1HA 1212 ——

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 x 3 = 39)

(i)   Differentiate between Impact and Non-Impact printers.

(ii)   Distinguish between Computer Hardware and Software.

(iii)   What is meant by Communication Speed?

(iv)   Define Computer Aided Designing (CAD) and Computer Aided Manufacturing (CAM).

(v)   Define E-Commerce.

(vi)   Define Server.

(vii)   Define OSI Model. Name the Layers in OSI model.

(viii)   Write short notes on:

      a.   Retail   b.   Computer Simulation

(ix)   Define Buses. List the various types of Buses used in Computer Circuits.

(x)   What is Microprocessor?

(xi)   Define **ALU**, **CU** and **CPU**.

(xii)   Define Utilities. Write down any two facilities provided by Utilities.

(xiii)   Write a short note on Anti-Virus Software.

(xiv)   What is Copyright?

(xv)   Differentiate between Multitasking and Multiprogramming.

(xvi)   Mention any three important rules for naming files and folders.

(xvii)   What is **Thesaurus** and **Mailmerge**?

SECTION – C (Marks 21)

Note:-   Attempt any THREE questions. All questions carry equal marks.   (3 x 7 = 21)

Q. 3   a.   What is the role of Microprocessor in IT revolution?   03

      b.   Explain TCP / IP Protocol.   04

Q. 4   Explain **Narrow band**, **Voice band** and **Broadband**.   07

Q. 5   a.   Differentiate between Headers and Footers with Footnotes and Endnotes.   04

      b.   Explain the important features of Windows operating system.   03

Q. 6   a.   What is Computer Virus? How does it spread and infect other computers?   04

      b.   Explain the three basic types of instruction code formats used in computers.   03

—— 1HA 1212 ——