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) The piece of hardware that temporarily holds data and program is called _____.

    A. Primary storage   B. CPU

    C. Secondary storage   D. Output

(ii) Step by step instructions that run the computer are called _____.

    A. Hardware   B. Documents   C. Calculating   D. Software

(iii) Keyboard is the most commonly used _____ device.

    A. Output   B. Input   C. Storage   D. Communication

(iv) Which of the following key is used to cancel an operation?

    A. Arrow   B. Caps lock   C. Num lock   D. Esc

(v) The number of bits a computer can process at one time is called _____.

    A. Bit strength   B. Crunch capacity

    C. Bite size   D. Word size

(vi) Which of the following task is related to System Analysis phase?

    A. System specifications   B. System scope

    C. Feasibility study   D. All of these

(vii) Many networks include a central computer that is called _____.

    A. Server   B. Bridge   C. Gateway   D. Client

(viii) The set of rules to exchange data in a communication network is called _____.

    A. Gateway   B. Procedure   C. Protocol   D. Token

(ix) The layer that is concerned with physical path is called _____ layer.

    A. Network   B. Data link   C. Physical   D. Transport

(x) A communication technique to transmit large volume of data over long distance is _____.

    A. Baseband   B. Broadband   C. Bandwidth   D. None of these

(xi) Which communication medium requires line of sight?

    A. Microwave   B. Fiber optics   C. Twisted pair   D. Coaxial

(xii) CAD stands for:

    A. Computer Aided Design   B. Computer Assisted Design

    C. Computer Added Drawing   D. None of these

(xiii) Which component of CPU is responsible for deciding which operations are to be performed by the CPU?

    A. ALU   B. CU

    C. Register   D. None of these

(xiv) Which of the following is **not** an antivirus program?

    A. Redlof   B. Norton   C. Dr. Solomon   D. Mcafee

(xv) A workbook is a group of _____.

    A. Many Rows   B. Many Columns

    C. Worksheets   D. Least number of Columns

For Examiner's use only:

Total Marks: ☐ **15**

Marks Obtained: ☐

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

(i)   What is information technology?

(ii)   Write a short note on computer software.

(iii)   Describe RAM. List its different types.

(iv)   What is Access time in memory devices?

(v)   Explain briefly System Development with reference to information system development.

(vi)   Write a short note on LAN.

(vii)   Describe any three benefits of networks.

(viii) What is workgroup computing?

(ix)   Write a note on bus topology.

(x)   What is the function of network layer?

(xi)   What are protocols? Describe briefly.

(xii)   Describe circuit switched network.

(xiii) What is half-duplex mode? Give one example.

(xiv)   Write a short note on synchronous transmission.

(xv)   List three uses of computer in E-Commerce.

(xvi)   Describe Control Unit (CU).

(xvii) Describe briefly windows desktop screen.

SECTION – C (Marks 21)

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

Q. 3 What is Computer? Describe computer hardware. Explain one input and one output device.   **(7)**

Q. 4 Describe computer network. Distinguish between dedicated server network and peer-to-peer network.   **(7)**

Q. 5 What are data communication and communication media? Explain communication media with examples in detail.   **(7)**

Q. 6 What is data protection act? Explain the data protection principles.   **(7)**

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