COMPUTER STUDIES HSSC-II
SECTION – A (Marks 10)

Time allowed: 15 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 15 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) Hybrid computer is a combination of:

A. Analog   B. Digital
C. Both A and B   D. None of these

(ii) _____ is the process of electronically transferring data from one location to an other.

A. Word processing   B. Data processing
C. Data arranging   D. Data communication

(iii) Digital cellular phones which have similar features of a personal computer are known as:

A. Elegant   B. Fancy
C. Style   D. Smart

(iv) BIOS stands for:

A. Binary input / output system   B. Basic input / output system
C. Boolean input / output system   D. None of these

(v) Which one of the following translates source code to machine code as a whole?

A. Interpreter   B. Compiler
C. Assembles   D. None of these

(vi) Algorithm is a:

A. Requirement document   B. Design document
C. Test document   D. User guide

(vii) In hexadecimal number system "C" is equal to _____ decimal number.

A. 10   B. 11
C. 12   D. 13

(viii) Another name for keyword is:

A. Reserved word   B. Special word
C. System word   D. Remark

(ix) A loop within loop is called:

A. Complex loop   B. Infinite loop
C. Nested loop   D. While loop

(x) Which of the following components has faster speed?

A. RAM   B. Cache Memory
C. Register   D. Hard Disk

For Examiner's use only:

Total Marks: ☐ 10

Marks Obtained: ☐

COMPUTER STUDIES HSSC–II

Time allowed: 2:15 Hours   **Total Marks Sections B and C: 40**

NOTE: Answer any eight parts from Section 'B' and any two 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 24)

Q. 2 Answer any EIGHT parts. The answer to each part should not exceed 3 to 4 lines.   **(8 x 3 = 24)**

(i)   What are the differences between source and object program?

(ii)   Find the 1's complement of $(10111001)_2$.

(iii) What is electronic data processing?

(iv)   Write a note on language translators.

(v)   Differentiate between RAM and ROM.

(vi)   Discuss briefly any three basic units of data storage.

(vii) Convert decimal no. 425 to BCD form.

(viii) What are the features of BASIC language? Briefly describe.

(ix)   Convert the following arithmetic statements into BASIC statements:

a. $\dfrac{x+y}{a-b} - 1$ b. $\dfrac{-b+\sqrt{b^2-4ac}}{2a}$ c. $\dfrac{4}{3}\pi r^3$

(x)   Define register.

(xi)   List the steps that should be followed to solve a problem.

SECTION – C (Marks 16)

Note: Attempt any TWO questions. All questions carry equal marks.   **(2 x 8 = 16)**

Q. 3 What is printer? Discuss different types of printers, also explain the working of a printer.

Q. 4 a.   Write a program in BASIC to input a number from the keyboard. Find out and print the number

is "Prime" or "not prime".

b.   Draw the flowchart of above mentioned program.

Q. 5 Write down notes on the following:

a.   CPU

b.   Floppy Disk

c.   Assignment statement

d.   Debugging

—— 2HS 1617 ——