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)   Temporary storage area inside CPU is called:

    A.   Register   B.   ROM

    C.   RAM   D.   Hard disk

(ii)   Digital quantities have _____ values.

    A.   Hybrid   B.   Discrete

    C.   Continuous   D.   Unique

(iii) DPI stands for:

    A.   Digits Per Inch   B.   Data Per Inch

    C.   Dots Per Inch   D.   Diagram Per Inch

(iv)   Which of the following is **NOT** a system software?

    A.   Operating system   B.   Utility programs

    C.   Language translators   D.   MS Word

(v)   Error in the rules of a programming language is called:

    A.   Logical error   B.   Syntax error

    C.   Run time error   D.   Basic error

(vi)   Which of the following input devices is used to enter image data into computer?

    A.   Printer   B.   MICR

    C.   Scanner   D.   Keyboard

(vii) ROM is a _____ kind of memory.

    A.   Volatile   B.   Non-Volatile

    C.   Flexible   D.   Accurate

(viii) Hexadecimal number system contains _____ digits.

    A.   2   B.   10

    C.   16   D.   8

(ix)   Which type of translator is used by BASIC language?

    A.   Interpreter   B.   Compiler

    C.   Assembler   D.   Virtual Machine

(x)   A loop within a loop is called:

    A.   Repetition loop   B.   Complex loop

    C.   Infinite loop   D.   Nested loop

For Examiner's use only:

Total Marks: ☐ 10

Marks Obtained: ☐

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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 is the difference between Analog and Digital computers?

(ii)   Differentiate between impact and non-impact printers.

(iii)   Differentiate between RAM and ROM.

(iv)   What are device drivers?

(v)   Differentiate between High level language and Low level language.

(vi)   Define data processing.

(vii)   Solve the following:

a. $(2753)_8 = (?)_2$

b. $(01D7F)_{16} = (?)_{10}$

c. $(01775)_8 = (?)_{10}$

(viii) Write a short note on language translators.

(ix)   Define the following:

a.   Source code
b.   Object Program
c.   Debugging

(x)   What is the output of the following program code?

```
10    CLS
20    LET SUM = 0
30    LET P = 1
40    FOR A = 2 TO 10 STEP 2
50    SUM = SUM + A
60    P = P * A
70    NEXT A
80    PRINT "SUM=" ; SUM
90    PRINT "PRODUCT=" ; P
100   END
```

(xi)   What are the different symbols used in flow chart?

SECTION – C (Marks 16)

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

Q. 3   What is CPU? Briefly explain different components of CPU.

Q. 4   Write a short note on input devices used in computers.

Q. 5   Write a BASIC language program that performs all arithmetic operations on two variables and display the result on screen.

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