

Roll No. Answer Sheet No. 42

Sig. of Candidate. \_\_\_\_\_

Sig. of Invigilator. \_\_\_\_\_

## 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) Which of the following computers is most powerful in terms of speed?  
A. Mainframe computer                      B. Personal computer  
C. Miniframe computer                      D. Super computer
- (ii) Which of the following is **NOT** a component of the CPU?  
A. Primary Storage                      B. ALU  
C. Control Unit                      D. Registers
- (iii) Which of the following components has the fastest speed?  
A. RAM                      B. Cache Memory  
C. Registers                      D. Hard Disk
- (iv) Which of the following memory chips retain their contents indefinitely without constant electronic refreshing?  
A. Dynamic ROM                      B. Static RAM  
C. Static ROM                      D. Dynamic RAM
- (v) How many different values can a single bit represent?  
A. 0                      B. 1  
C. 2                      D. 3
- (vi) Which of the following is **NOT** a high level language?  
A. Assembly language                      B. PASCAL  
C. BASIC                      D. FORTRAN
- (vii) Which programming language was used for mathematical and engineering applications?  
A. BASIC                      B. FORTRAN  
C. Assembly language                      D. COBOL
- (viii) Which of the following printers operates most like a photocopier machine?  
A. Line Printer                      B. Ink-Jet Printer  
C. Dot-Matrix Printer                      D. Laser Printer
- (ix) In computers, the unit used to hold data, instructions and information for future use is called \_\_\_\_\_.  
A. Processing Unit                      B. Input Unit  
C. Storage Unit                      D. Output Unit
- (x) What type of devices translate data into a form that is understandable by humans?  
A. Input devices                      B. Output devices  
C. Storage devices                      D. Processing devices

**For Examiner's use only:**

Total Marks:

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

- (i) Define Hybrid computers with examples.
- (ii) Differentiate between LCD and CRT monitors.
- (iii) Write any three positive impacts of computer on society.
- (iv) Differentiate between Arithmetic and Logical operations performed by CPU.
- (v) Differentiate between Primary memory and Cache memory.
- (vi) What relational operators are available in BASIC language?
- (vii) Name any six high level languages.
- (viii) Solve the following:

a.  $(250)_{10} = (?)_8$

b.  $(10010011)_2 = (?)_8$

c.  $(7551)_{10} = (?)_{16}$

- (ix) What is the output of the following program code:

```
10 CLS
20 N=1
30 Print "Number", " Square", " Cube"
40 While N <= 5
50 Print N, N * N, N * N * N
60 N = N + 1
70 WEND
80 END
```

- (x) Differentiate between Soft-copy output and Hard-copy output.
- (xi) What is the purpose of the following BASIC language statements:
  - a. GOTO
  - b. CLS
  - c. PRINT

### 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.
- Q. 4 Write a note on classification of Digital computers.
- Q. 5 What is Problem Solving? Explain different stages of problem solving.