



Roll No.

Answer Sheet No.

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)  $(B)_{16}$  is equal to \_\_\_\_\_ in the decimal number.
- A. 12 B. 13  
C. 11 D. 15
- (ii) BIT stands for:
- A. Binary digit B. Byte digit  
C. Base digit D. Basic digit
- (iii) How many types of language translator have?
- A. 1 B. 2  
C. 3 D. 4
- (iv) Laser beam technology is used by:
- A. Terminals B. Optical disks  
C. Keyboards D. Magnetic tape
- (v) Which of the following BASIC command is used to automatically generate line number each time when enter key is pressed?
- A. AUTO B. CONT  
C. LOAD D. RUN
- (vi) Analog quantities have \_\_\_\_\_ value.
- A. Discrete B. Unique  
C. Continuous D. None of them
- (vii) The diamond symbol in the flow chart indicates:
- A. Progress B. Condition  
C. Input D. Output
- (viii) The expression  $10 \text{ Mod } 3$  has a value equal to:
- A. 1 B. 3  
C. 8 D. None of these
- (ix) The number of digits in decimal system is:
- A. 8 B. 7  
C. 10 D. 16
- (x) Which of the following displays has a lighter and slimmer screen than a CRT?
- A. Flat-Panel B. Terminal  
C. Graphics Card D. None of these

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 is the difference between memory and storage?
- (ii) Write down some characteristics of mini-computer.
- (iii) What are registers? Discuss the purposes of registers.
- (iv) What are the differences between low level and high-level language?
- (v) Find the  $2^{\text{nd}}$  complement of negative number  $(-63)_{10} = (11000001)_2$
- (vi) Define an algorithm.
- (vii) What is a control structure?
- (viii) Convert 3 GB into (?) bytes.
- (ix) Discuss the usefulness of computer in business.
- (x) Describe functions of mouse.
- (xi) How many types of errors can occur in a program?

## SECTION – C (Marks 16)

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

- Q. 3** Explain the main memory of computer system and also describe the different types of RAM and ROM.
- Q. 4** What is software? Discuss the different types of software with the suitable examples.
- Q. 5** Describe working of READ/DATA and INPUT statement with examples in a BASIC program.