# HISSAN CENTRAL EXAMINATION – 2080 (2023)

Grade : XI                                                    F.M. : 50

Time : 2 hrs

## COMPUTER SCIENCE (4271)

*Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.*

## GROUP A

**Multiple Choice Questions.**

Tick / Select the best alternative.                          [9 × 1 = 9]

1. The main electronic device used by second generation computer is.
   - a. Vaccum tube
   - b. IC chip
   - c. Transistor
   - d. Microprocessor

2. Laptop that we used is a type of which of these categories?
   - a. Microcomputer
   - b. Super Computer
   - c. Mimi Computer
   - d. All of these

3. The function scan f () is used to
   - a. To exit from program
   - b. Input a set of values
   - c. display the message or value
   - d. Do mathematical manipulation

4. Which of the following is application software?
   - a. Windows OS
   - b. language translator
   - c. MS-word
   - d. Device driver

5. Which of the following tag is used for inserting the largest heading in HTML?
   - a. <h3>
   - b. <h1>
   - c. <h5>
   - d. <h6>

6. Putting files to the server from the computer is
   - a. Downloading
   - b. Uploading
   - c. Trashing
   - d. Transferring

7. It is an act of stealing (like copying, distributing, modifying, selling) of softwar that is legally protected.
   - a. Renting.
   - b. Software piracy

c. copyright                              d. Hacking Which of the following expressions is in the sum-of-products (SOP) form?

a. (A + B)(C + D)                    b. (A)B(CD)

c. AB(CD)                               d. AB + CD

RAM is _____ and _____.

a. volatile, temporary              b. non-volatile, temporary

c. volatile, permanent             d. non-volatile, permanent

## GROUP B

Short Answer Questions

Attempt all questions.                                                    [5 × 5 = 25]

9. What is computer? Differentiate between mini and microcomputer.     [1+4]

10. What is octal number system? Convert $(ACCA)_{16}$ into octal number system.
                                                                          [1+4]

OR

Explain AND and OR gate with truth table and logic gate.              [2.5+2.5]

11. Write any five applications of spread sheet software.              [5]

OR

What is digital signature? Explain.                                    [5]

12. What is HTML? Explain any two HTML tags.                           [2+3]

13. How is multimedia used in business? Explain.                       [5]

## GROUP C

Long answer Questions

Attempt all questions.                                                 [2 × 8 = 16]

14. What is OS? Explain any three functions of OS.                    [2+6]

15. Write a C program to enter 10 integer numbers into an array and display the entered number and also calculate the sum of the entered numbers.     [4+4].

OR

Write a C program to enter two strings and concatenate two strings, the program should also convert first entered string into uppercase string.      [2+3+3]

## THE END