

Board of Secondary Education

Subject: Computer Science

Class: 10th

Time Allowed: 3 Hours

Maximum Marks: 75

SECTION A – MULTIPLE CHOICE QUESTIONS (10 Marks)

Q1. Choose the correct answer:

i) Which of the following is NOT an input device?

a) Mouse b) Keyboard c) Printer d) Scanner

ii) 1 KB = ?

a) 1000 Bytes b) 1024 Bytes c) 512 Bytes d) 1,000,000 Bytes

iii) Which language is considered low-level?

a) Python b) Assembly c) Java d) C++

(... total 10 MCQs)

SECTION B – SHORT QUESTIONS (25 Marks)

Q2. Attempt ANY FIVE:

i) Differentiate between RAM and ROM.

ii) Explain the uses of the Internet in daily life.

iii) Write short notes on: (i) Compiler (ii) Operating System

iv) Define algorithm and give an example.

- v) What is the difference between hardware and software?
- vi) What is computer virus? Write two preventive measures.
- vii) Define "Database" and state its importance.

SECTION C – LONG QUESTIONS (40 Marks)

Q3. Write an essay on ONE of the following:

- a) The Role of Computers in Education
- b) E-Commerce and Its Benefits
- c) Future of Artificial Intelligence

Q4. Answer the following:

- i) Draw a neat diagram of a basic computer system (Input, Process, Output, Storage).
- ii) Explain the function of CPU in detail.
- iii) Differentiate between System Software and Application Software with examples.

Q5. Write a program (in pseudocode or C-style) to calculate the sum of first 10 natural numbers.