

SUMMATIVE ASSESSMENT - THIRD TERM

COMPUTER SCIENCE

Max. Marks: 50

Std - VI

Time: 2 Hr

Name of the School:	Name of the Student:
Place:	Roll No.:

I. Fill in the blanks with suitable answers:

5 x 1 = 5

1. C programming language was developed in the year _____ by _____.
2. _____ is the operating system that was written using C.
3. There are _____ laws of robotics.
4. Micro:bit is developed by _____.
5. A _____ is a board that consists of many components that are connected to each other.

II. State whether the following statements are True or False:

5 x 1 = 5

6. There are 30 LEDS on a micro:bit.
7. Micro:bit is a microprocessor.
8. Modern-day robots are classified into two types.
9. C is a high-level programming language.
10. The function print f() is a library function.

III. Match the following:

5

Law	Description
11. Law 2	A robot may not injure a human being or through inaction, allow a human being to come to harm, unless this would notice a higher order law.
12. Law 0	A robot must obey orders given to it by human beings, except where such orders would conflict with a higher order law.
13. Law 3	A robot may not injure humanity, or through inaction, allow humanity to come to harm.
14. Law 1	A robot must protect its own existence as long as such protection does not conflict with a higher order law.

IV. Answer the following:

10 x 2 = 20

15. What are tokens in C?
16. Write down some of the advantages of C program.
17. Name some industrial robots.
18. What is robotics?
19. Write some of the ways by which robots help.
20. What are the features of a micro:bit?
21. What is a microcontroller?
22. What is a circuit?
23. Write parts of a micro:bit.
24. How can you compile the program using a shortcut?

V. Answer in detail: (Any 3)

3 x 5 = 15

25. Write short notes on tokens in C.
26. Name and explain the typical knowledge base for the design and operation of robotics systems.
27. Explain the key features of a micro:bit.
28. Write down the code to display the message “coding is fun!”, using a micro:bit, following a smiley face.