

**SUMMATIVE ASSESSMENT - THIRD TERM****COMPUTER SCIENCE****Max. Marks: 50****Std - VI****Time: 2 Hr**

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|-------------------------------------|--------------------------------------|
| <b>Name of the School:</b><br><hr/> | <b>Name of the Student:</b><br><hr/> |
| <b>Place:</b><br><hr/>              | <b>Roll No.:</b><br><hr/>            |

**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**

| <b>Law</b> | <b>Description</b>  |
|------------|---|
| 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.