

FORMATIVE ASSESSMENT – THIRD MID TERM

COMPUTER SCIENCE

Max. Marks: 25

Std - VI

Time: 1½ Hrs

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

I. Fill in the blanks: 3 × 1 = 3

- 1. C language was formalized in 1988 by _____.
- 2. _____ proposed the laws of robotics.
- 3. _____ is the operating system that was written using C language.

II. Identify whether the following is true or false: 3 × 1 = 3

- 4. The function print () is a library function.
- 5. C is a high-level programming language.
- 6. C language is not a case-sensitive programming language.

III. Match the following: 3 × 1 = 3

- 7. Law 0 - A robot may not injure a human being, or through inaction, allow a human being to come to harm, unless this would violate a higher-order law.
- 8. Law 3 - A robot may not injure humanity or through inaction, allow humanity to come to harm.
- 9. Law 1 - A robot must protect its existence as long as such protection does not conflict with a higher-order law.

IV. Answer the following: (any 4) 4 × 2 = 8

- 10. What are taken in C language?

- 11. Write down some of the advantages of the C program.

12. What is robotics?

13. Name some industrial robots.

14. What are the key components of a robot?

V. Answer the following question not more than 150 words: (any 1) $1 \times 5 = 5$

15. Name and explain the typical knowledge base of the design and operation of robotics systems.

16. Write down the general structure of the C program and explain it.

VI. Draw a mind map of the following topics: (any 1) $1 \times 3 = 3$

1. Program compiled
2. Key components of a robot.