



## B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS  
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL



### POST MID TERM 2025-26

#### ARTIFICIAL INTELLIGENCE (417)

Class : IX

Date : 07-01-2026

Admission No.:

Duration : 1 Hrs

Max. Marks : 25

Roll No.:

#### General Instructions:

Try to attempt all questions as per given order.

All questions are compulsory.

The Question Paper is divided into Three sections Section A to C.

- Section A has 11 questions attempt 11 and carry 1 mark each.
- Section B has 6 questions attempt only 4 and carry 2 marks each.
- Section C has 4 questions attempt only 2 and carry 3 marks each.

#### Section-A

1. Which of the following symbols is used in flowcharts to take input from the user? 1  
a. Diamond      b. Rectangle      c. Oval      d. Parallelogram
2. Which of the following is a valid logical operator? 1  
a. and      b. !=      c. +      d. >=
3. Which of the following is a data type that has two built-in values True or False? 1  
a. Boolean      b. Numbers      c. Integer      d. String
4. If L1 = ['O', 'R', 'A', 'N', 'G', 'E'], then which of the following will be the output of the given statement? 1  
**print (L1 [:: -1])**  
a. Prints the list as it is      b. Prints the list in reverse order  
c. Prints the last element of the list      d. Prints the first element of the list
5. What will be the output of the following code? 1  
**if (True) :**  
    **print ("Hello")**  
**else:**  
    **print ("Hi")**  
a. Hello      b. Hello Hi      c. Hi      d. Nothing will print
6. What letter will be printed on the screen after running this code: 1  
city = "Exeter"  
letter = city[3]  
print (letter)  
a. E      b. x      c. t      d. Nothing prints

7. What does Fourth Partner Energy, which is one of the famous Green Projects of India, focuses? 1

- a. To make solar energy accessible
- b. To make bio-gas accessible
- c. To make wind energy accessible
- d. To make nuclear power accessible

8. Which of the following is supported by Waste Management? 1

- a. Disposal of waste
- b. Too much waste generated needs to be managed
- c. Reduce, Reuse, Repurpose, Refuse and Recycle
- d. Proper collection of waste of all types in one place

9. Since when Environmentally Sustainable development has become the main goal of all the countries across the globe? 1

- a. All Nations Summit in 2000
- b. All Nations Conference in 1998
- c. America Conference in 1998
- d. UN Conference on Environment and Development (UNCED) in 1992

10. The term "Green economy" was first coined by which of the following? 1

- a. Government of India
- b. Government of United Kingdom
- c. Government of America
- d. Government of China

11. Which of the following is used to conserve our natural resources? 1

- a. Furniture Conservation
- b. Water Conservation
- c. Money Conservation
- d. Clothes Conservation

### **SECTION - B**

12. What is Green Skill Development Programme? 2

13. What is Global Warming? 2

14. What do you understand by the term Eco System? 2

15. What is the use of sort( ) function of a list? 2

16. Why are flowcharts more preferred than algorithms? 2

17. What is the difference between pop ( ) and remove( ) functions? 2

### **SECTION - C**

18. Explain the main causes of soil pollution? (any three) 3

19. Explain any three social benefits of the Green Economy. 3

20. Give three differences between an algorithm and a flowchart. 3

21. Write a program, Input three angles and check whether they form a triangle or not. 3

**\*\*\*\*\* ALL THE BEST !!! \*\*\*\*\***