MCQ Test: Membership and Binary Operators in Python

Instructions: Choose the correct option for each question. Each question has only one correct answer.

1. 1. Which of the following is a membership operator in Python?

- A. &&
- B. in
- C. <>
- D. ^

2. 2. What does the 'not in' operator do in Python?

- A. Checks if a value is not a member of a sequence
- B. Reverses the condition
- C. Checks if a value is greater than another
- D. None of the above

3. 3. Which of the following is NOT a binary operator in Python?

- A. +
- B. -
- C. is
- D. not

4. 4. What will be the output of the expression '5 & 3' in Python?

- A. 1
- B. 7
- C. 5
- D. 3

5. 5. Which binary operator is used to perform bitwise OR in Python?

- A. |
- B. ||
- C. or

- D. &

6. 6. What is the result of the expression '10 | 4' in Python?

- A. 14
- B. 4
- C. 10
- D. 0

7. 7. Which operator checks the identity of two objects?

- A. ==
- B. =
- C. is
- D. in

8. 8. What will be the result of '7 ^ 2' in Python?

- A. 5
- B. 9
- C. 3
- D. 14

9. 9. Which of the following expressions uses a membership operator?

- A. 'Python' + 'Rocks'
- B. 'a' in 'apple'
- C. 5 | 3
- D. 7 ^ 1

10. 10. What is the output of the expression 'not(4 & 1)' in Python?

- A. True
- B. False
- C. 1
- D. 0