

# JK Board Class 12 Computer Science 2026 Question Paper

Time Allowed :3 Hours

Maximum Marks :70

Total questions :37

## General Instructions

**Read the following instructions very carefully and strictly follow them:**

1. The paper is divided into Section A and Section B.
2. Section A includes objective-type questions.
3. All questions in Section A are compulsory.
4. Section B includes short answer, and long answer type questions.
5. Answers must be written legibly within the word limit.
6. Use of unfair means or electronic devices is prohibited.
7. Follow the correct format and instructions for each section.

## Section - A

**1. What is the correct syntax for an if statement in Python?**

- (1) `if(x > 10) {}`
- (2) `if x > 10 :`
- (3) `if x > 10 then :`
- (4) `if (x > 10) ::`

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**2. Which of the following keyword in Python is used to skip the current iteration?**

- (1) Pass
- (2) break
- (3) continue
- (4) skip

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**3. A function NEVER returns data.**

- (1) True
- (2) False

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**4. Which of the following is the use of functions in Python?**

- (1) Functions are reusable pieces of programs
- (2) Functions provide better modularity for applications
- (3) You can also create your own functions
- (4) All of the mentioned

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**5. What will be the output of the following Python code?**

```
def sayHello():  
    print("Hello World")  
sayHello()  
sayHello()
```

- (1) Hello World
- (2) Hello World  
Hello World
- (3) Hello World Hello World
- (4) None of the above

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**6. What will be the result of the following code?**

```
fruits = ['apple', 'banana', 'cherry']  
print(fruits[0])
```

- (1) apple

- (2) banana
  - (3) cherry
  - (4) Error
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**7. Duplicate keys are NOT ALLOWED in Dictionaries.**

- (1) True
  - (2) False
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**8. Define Truth Table.**

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**9. Identity Law is**

- (1)  $A + 0 = A$
  - (2)  $A \cdot 1 = A$
  - (3) Both of the above
  - (4) None of the above
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**10. Which of these is a proper method for email security?**

- (1) Use Strong Password
  - (2) Use email Encryption
  - (3) Spam filters and antivirus scanners
  - (4) Click on unknown links to explore
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**11. Show the use of `fsafe_close`.**

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**12. Define user defined function.**

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**13. Write down the syntax for defining a function in Python.**

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**14. What is a data structure?**

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**15. What is a key?**

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**16. Show the use of SQL functions: COUNT() and AVG().**

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**17. What is DB Storage layer?**

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**18. What is meant by compiler, class and security?**

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**19. What is meant by WAN?**

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**20. Briefly explain the use of the following elements: (i) Break (ii) Continue**

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**21. What is loop? Briefly describe the difference in working of while and for loop.**

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**22. What is meant by scope of a variable? Briefly explain Local and Global scope.**

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**23. Define the following: (i) Public (ii) Protected (iii) Private**

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**24. Briefly explain the concept of Sets in Python.**

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**25. What is a database? What are the advantages? Briefly explain Relational Data Model.**

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**26. List the commands in DDL and DML. Define each.**

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**27. Explain De-Morgan's principle with two steps to reduce a Boolean expression.**

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**28. What is NOT operator? Show its truth table and logical gate.**

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**29. How is Object Oriented Programming style different from its predecessor? Define:  
(i) Class (ii) Object**

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**29 (OR). What is a structured Data? Explain its various types.**

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**30. What is an Array? Show how you create, populate and access the elements of any array.**

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**30 (OR). What is a Dictionary in Python? Show how you create a dictionary, access its items and find its length.**

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**31. What is meant by Network Topology? Explain, giving advantages, the Bus Topology.**

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**31 (OR). Explain the term Cyber Security. Discuss its importance in modern society. What is Cyber Bullying? Briefly describe its preventive measures.**

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