

1. What is the purpose of Python's 'if' statement? 2 marks
- a) To define a loop
 - b) To perform conditional execution
 - c) To import external modules
 - d) To define a function
2. What is the role of indentation in Python? 2 marks
- a) It is used for decorative purposes
 - b) It is required for syntax correctness
 - c) It has no significance
 - d) It improves code readability
3. How does Python's interpreter execute code? 2 marks
- a) It translates code directly to machine language
 - b) It interprets code line by line
 - c) It generates bytecode
 - d) It compiles code to C language
4. What does a .pyc file contain and is it platform dependent? 2 marks
- a) Source code and dependent
 - b) Compiled Python code and independent
 - c) Documentation with dependent
 - d) Configuration settings to run python code
5. What is the purpose of pip in Python? 2 marks
- a) To execute Python code
 - b) To debug Python code
 - c) To install and manage packages
 - d) To compile Python code
6. Which of the following is an example of a strongly typed language? 2 marks
- a) Python
 - b) JavaScript
 - c) C
 - d) Ruby

7. What does the 'pass' statement do in Python?

2 marks

- a) Terminates the program
- b) Skips the current iteration and continues with the next iteration in a loop
- c) Executes a block of code if a condition is true
- d) Does nothing

8. What does the 'continue' statement do in Python?

2 marks

- a) Terminates the loop
- b) Skips the current iteration and continues with the next iteration in a loop
- c) Restarts the loop
- d) Has no effect

9. What is the purpose of the 'break' statement in Python?

2 marks

- a) Terminates the loop
- b) Skips the current iteration and continues with the next iteration in a loop
- c) Restarts the loop
- d) Has no effect

10. What is the result of 'True or False' in Python?

2 marks

- a) True
- b) False
- c) Error
- d) None

11. Which operator is used for 'and' operation in Python?

2 marks

- a) ||
- b) &&
- c) and
- d) &

12. What will be the output of below program?

2 marks

```
x=None
```

```
Print(x == False)
```

- a) True
- b) False
- c) Error
- d) None

13. How many indentation levels are allowed in Python?

2 marks

- a) 4
- b) 8
- c) 16
- d) Unlimited
- e) Python style guide, PEP 8, recommends using 4 spaces for indentation. While Python is flexible about indentation.

14. What is the recommended naming convention for variables in Python?

2 marks

- a) camelCase
- b) snake_case
- c) PascalCase
- d) kebab-case

15. What does a .pyc file stand for?

2 marks

- a) Python compiled file
- b) Python cache file
- c) Python configuration file
- d) Python compressed file

16. Which operator has higher precedence, 'and' or 'or'?

2 marks

- a) 'and'
- b) 'or'
- c) Both have the same precedence
- d) It depends on the context

17. What is the purpose of the 'continue' statement in Python?

2 marks

- a) Terminates the loop
- b) Skips the current iteration and continues with the next iteration in a loop
- c) Restarts the loop
- d) Has no effect

18. Is Python a strongly typed or weakly typed language?

2 marks

- a) Strongly typed
- b) Weakly typed
- c) Dynamically typed
- d) Statically typed

19. What is the purpose of the 'pass' statement in Python?

2 marks

- a) Terminates the program
- b) Does nothing
- c) Is a syntax error
- d) Skips the current iteration and continues with the next

20. What is the result of 'True or False' in Python?

2 marks

- a) True
- b) False
- c) Error
- d) None

21. Which statement is used to exit a loop completely?

2 marks

- a) exit
- b) skip
- c) break
- d) quit

22. What is the purpose of the 'elif' keyword in Python?

2 marks

- a) To specify an alternative condition
- b) To skip the current iteration and continue with the next
- c) To specify the default condition
- d) To indicate the end of a conditional block

23. What is the result of 'not True' in Python?

2 marks

- a) True
- b) False
- c) Error
- d) None

24. What is the purpose of the 'break' statement in Python?

2 marks

- a) Terminates the loop
- b) Skips the current iteration and continues with the next iteration in a loop
- c) Restarts the loop
- d) Has no effect

25. What is the purpose of the 'or' operator in Python?

2 marks

- a) To perform bitwise OR operation
- b) To perform logical OR operation
- c) To concatenate strings
- d) To access elements in a list

26. what will be the output of below program?

2 marks

if []:

 print("This")

else:

 print("That")

- a. Error
- b. This
- c. That
- d. None
- e. No output

27. What will be the output of below program?

2 marks

print (None == True)

- a. True
- b. False
- c. None
- d. Error
- e. No output

28. What will be the output of below program?

6 marks

```
numbers = [1, 2, 3, 4, 5]
for num in numbers:
    if num == 3:
        pass
    elif num == 4:
        continue
    elif num == 5:
        break
    print(num,end=" ")
```

- a) 1,2,3
- b) 1, 2,3,4,5
- c) 1, 2, 3,4
- d) 1,3,5