



**CHRISTIAN SERVICE UNIVERSITY COLLEGE
KUMASI
FACULTY OF HEALTH AND APPLIED SCIE.**

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE
End of First Semester Examination, 2020/2021 Academic Year**

BSIT 103/BSCP 107: PRINCIPLES OF PROGRAMMING

MAY, 2021

Time: 2hrs

INSTRUCTIONS

- Fill out the blanks provided for your **Index number, Signature and Date** on each page.
- **ATTEMPT ALL** Questions in both Sections
- Circle the correct Answer In Section A and Provide your answers in SECTION B in the Answer Booklet.
- Be sure to read carefully and follow the instructions for the individual questions.
- For rough work, use the answer booklets provided. **DO NOT** solve the questions on the question paper.
- If your answer is not in the options provided, kindly write the answer on the question paper beneath the options for that question.
- If you require clarification, raise your hand. Good luck!

Examiner: Ernest K Ampomah

SECTION A

1. Python is case sensitive when dealing with identifiers?
 - A. True
 - B. False
2. What is the maximum possible length of an identifier?
 - A. 20 characters
 - B. 50 characters
 - C. 100 characters
 - D. Unlimited
3. Which of the following is invalid?
 - A. `a = 1`
 - B. `a = -1`
 - C. `__str__ = 1`
 - D. `2str = 20`
4. Which one of these is floor division?
 - A. `/`
 - B. `//`
 - C. `%`
 - D. `\`
5. What is the answer to this expression, `22 % 3` is?
 - A. 7
 - B. 1
 - C. 0
 - D. 5
6. What is the output of this expression, `9*1**5`?
 - A. 27
 - B. 9
 - C. 3
 - D. 1
7. Which one of the following has the highest precedence in the expression?
 - A. Exponential
 - B. Addition
 - C. Multiplication
 - D. Subtraction
8. What does `3 ** 4` evaluate to?
 - A. 81
 - B. 12
 - C. 0.75
 - D. 7
9. What will be the value of the following Python expression?

$$4 + 3 \% 5$$

- A. 4
- B. 7
- C. 2
- D. 0

10. What will be the value of the following Python expression?

$$4+2**5//10$$

- A. 3
- B. 7
- C. 77
- D. 0

11. What will be the output of the following Python expression?

$$\text{print}(4.00/(2.0+2.0))$$

- A. Error
- B. 1.0
- C. 1.00
- D. 1

- 12) A computer's native language

- A. Assembly Language
- B. Machine Language
- C. Personal Computer Language
- D. Compiler

- 13) Which language uses short descriptive word known as mnemonic, to represent each of the computer's language instructions.

- A. Compilers
- B. Interpreters
- C. Assembly Language
- D. Machine Language

- 14) Python is a low level programming language

- A. True
- B. False

- 15) Which of the following statement is one of Python's built-in functions

- A. `function()`
- B. `int()`
- C. `program()`
- D. `repeat()`

- 16) In Python, comments are preceded

- A. `#`
- B. `$`
- C. `%`
- D. `!`

- 17) Which of the following is not a valid numeric literal

- A. 28.077
B. 28,077
C. 28
D. -28.077
- 18) Which of the following is used to assign a value to a variable
A. ->
B. =
C. #
D. >>>
- 19) Which function is used to request input from users in python
A. request()
B. input()
C. function()
D. send()
- 20) In Python, what is used to declare a block of codes
A. comma
B. curly bracket
C. indentation
D. square bracket
- 21) Which of the following can be used to execute a statement or group of statements multiple times.
A. if statement
B. for loop
C. else loop
D. elif loop
- 22) executes a set of statements as long as a condition is true.
A. else loop
B. while loop
C. elif loop
D. for loop
- 23) is used to iterate over a sequence
A. else loop
B. while loop
C. elif loop
D. for loop
- 24) What will be the output of the following function in python
print(range(10))
A. [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
B. [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
C. [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
D. [1, 10]
- 25) Python is a static typed language
A. Machine dependent
B. True
C. False
- 26) Python supports complex numbers
A. True
B. False
C. Machine dependent
- 27) What will the following code return
"hello"+" python"
A. Error message
B. hellopython
C. "hello python"
D. "hello" + " python"
- 28) What will the following code return
'Python' *2
A. 2Python
B. 'Python Python'.
C. 'Python' *2
D. Python2
- 29) List can contain data of different types
A. True
B. False
C. Partially True
- 30) We can modify the size and value of the items of a tuple
A. True
B. False
C. Partially True
- 31) Which one of the following is the correct extension of the Python file?
A. .py
B. .python
C. .p
D. None of answers above
- 32) Which of the following is not a keyword in Python language?
A. val
B. raise
C. try
D. with
- 33) Which of the following functions is a built-in function in python language
A. val()
B. print()
C. python()
D. string()
- 34) Which of the following data types is shown below?
L = [2, 54, 'javatpoint', 5]
A. Dictionary
B. Tuple
C. List
D. Stack
- 35) What happens when '2' == 2 is executed?
A. False

B. Ture

36) which of the following is a control statement in python

- A. break
- B. print
- C. for
- D execute

37) Which of the following arithmetic operators cannot be used with strings in python?

- A. +
- B. *
- C. -
- D. All of the answers above

39) Which of the following is true about the use of function in python?

- A. Functions are reusable pieces of programs
- B. Functions don't provide better modularity for your application
- C. you can't also create your own functions
- D. All of the answers mentioned

40) Which keyword is used to define a function in python?

- A. fun
- B. define
- C. def
- D. function

41) Which one of the following is the correct way of calling a function?

- A. function_name()
- B. call function_name()
- C. ret function_name()
- D. function function_name()

42) What is a variable defined outside a function referred to as?

- A. local variable
- B. global variable
- C. static Variable
- D. automatic variable

43) Given list1= [6,23,3,2,0,9,8,75]. Which of the following will give output as [23,2,9,75]?

- A. print(list1[1:7:2])
- B. print(list1[0:7:2])
- C. print(list1[1:8:2])
- D. print(list1[0:8:2])

44) Suppose listExample = ['h','e','l','l','o'], what is len(listExample)?

- A. 5
- B. 4
- C. 0
- D. Error

45) Which of the following is a Python tuple?

- A. [1, 2, 3]
- B. (1, 2, 3)
- C. {1, 2, 3}
- D. {}

46) Which of these about a set is not true?

- A. Mutable data type
- B. Allows duplicate values
- C. Data type with unordered values
- D. Immutable data type

47) Which of the following statements is used to create an empty set?

- A. {}
- B. set()
- C. []
- D. ()

48) What is the default return value for a function that does not return any value explicitly?

- A. None
- B. int
- C. double
- D. null

49) Which of the following items are present in the function header?

- A. function name
- B. function name and parameter list
- C. parameter list
- D. return value

50) Which of the following is true about Python function

- A. Python function can return only a single value
- B. function can take an unlimited number of arguments.
- C. Python function cannot return multiple values
- D. Python function doesn't return anything unless and until you add a return statement