

CLASS-XI
UNIT TEST-I
COMPUTER SCIENCE (Python)

MM:-40

Time:- 90 Min

Instructions:-

- (1) All questions are compulsory.
- (2) Programming Language:- Python

Multiple Choice Questions:-

1*5=5

1. Which of the following is the valid variable name:

- i) global
- ii) 99flag
- iii) sum
- iv) an\$wer

2. Which operations result in 8?

- i) $65 // 8$
- ii) $17 \% 9$
- iii) $2 * * 4$
- iv) $64 * * 0.5$

3. Which are correct arithmetical operations?

- i) $a = 1*2$
- ii) $2 = 1+1$
- iii) $5 + 6 = y$
- iv) $\text{Seven} = 3 * 4$

4. If the value of $a = 20$ and $b = 20$, then $a+=b$ will assign _____ to a

- i) 40 ii) 30 iii) 20 iv) 10

5. Who invented the Python.

- i) Bjarne Stroustrup
- ii) Rick Masaciti
- iii) Yashwant Kanetkar
- iv) Guido Van Roussam

6. True or False

1*5=5

- i) Character Data type values should be delimited by using the single quote.
- ii) None is one of the data type in python
- iii) The data type double is not a valid python data type.
- iv) Python does not have any keywords
- v) The equal to condition is written by using the `==` operator

7. Check all syntactically correct statements

1*2=2

a) Which input statements are correct

- i) `a = raw_input ()`
- ii) `a = raw_input ("enter a number")`
- iii) `a = raw_imput (enter your name)`

b) Which are correct arithmetical operations?

- i) $a = 1*2$
- ii) $2 = 1+1$
- iii) $5 + 6 = y$
- iv) $\text{Seven} = 3 * 4$

Answer the following questions:-

2*10=20

8. Is python case sensitive? What is the meaning of case sensitive?
9. Name four of Python's Basic data types? Why are they called so?

10. What are relational operators? Explain with the help of examples.
11. What is an integer?
12. What is a variable? What names may variable have?
13. How are keywords different from variable names?
14. How do interpreter recognize the string?
15. Write a program to print "Hello, Welcome to my first Python program"?
16. Write a Program to add two numbers and display its result.
17. Write a program to check whether a number is even or odd.

LAB EXERCISE

1. Record what happens when following statements are executed: 2
 - a) print 5+7
 - b) print 5.2, "this", 4-2, "that", 5/2.0
2. Use IDLE to calculate: 2
 - a) 6+4*10
 - b) (6+4)*10
3. Type following mathematical expression and record your observations: 2
 - a) 2**500
 - b) 1/0
4. What will be the output of the following code: 2

```
a = 3 - 4 + 10  
b = 5 * 6
```