



**Avinashilingam Institute for Home Science and Higher Education for Women**  
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)  
Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B  
Coimbatore - 641 043, Tamil Nadu, India

**Bachelor's Degree Examination – January 2021**  
**V Semester**

**Class : III UG**  
**Major : Information Technology**

**Time : 3 Hours**  
**Max. Marks: 100**

**18BITC21 Python Programming**

**PART A**

**10 X 1=10**

**Choose the Correct Answer**

- Which of the following statements are correct?
  - Python is a high level programming language
  - Python is an interpreted language
  - Python is a compiled language
  - Python program is compiled before it is interpreted

a. i, ii                      b. i, iv                      c. ii, iii                      d. ii, iv
- Given a function that does not return any value, what value is shown when executed at the shell?

a. int                      b. bool                      c. void                      d. none of the above
- What will be the output of the following code?

```
x = "abcdef"
i = "i"
while i in x:
print(i, end=" ")
```

a. abcdef                      b. a b c d e f                      c. iiiiii.....                      d. no output
- Which keyword is used to define the block of statement in the function?

a. function                      b. def                      c. func                      d. pi
- Which of the following would give an error?

a. list1=[ ]                      b. list1=[ ]\*3                      c. list1=[2,8,7]                      d. None of the above
- What will be the output of the following Python code?

```
>>>t=(1,2,4,3)
>>>t[1:3]
```

a. (1, 2)                      b. (2,4)                      c. (1,2,4)                      d. (2,4,3)
- To read two characters from a file object infile, we use

a. infile.read(2)                      b. infile.read()                      c. infile.readline()                      d.infile.readlines()
- Is the following Python code valid?

```
try:
#do something
except:
#do something
finally:
#do something
```

a.no, there is no such thing as finally  
b. no, finally cannot be used with except  
c. no, finally must come before except  
d. yes

9. Which module in Python supports regular expressions?  
 a. re      b. regex      c. pyregex      d. none of the mentioned
10. Which of these definitions correctly describes a module?  
 a. Denoted by triple quotes for providing the specification of certain program elements  
 b. Design and implementation of specific functionality to be incorporated into a program  
 c. Defines the specification of how it is to be used  
 d. Any program that reuses code

**PART – B**

**5x6=30**

**Answer ALL questions**

**Each answer should not exceed 400 words or two pages**

11.a. What is meant by identifiers? Explain the terms briefly.  
 (or)

11.b. Describe Strings in python.

12.a. Discuss about the different kinds of if statements in python.  
 (or)

12.b. Compare parameters and arguments in python.

13.a. Examine the list operators briefly.  
 (or)

13.b. Classify built-in dictionary methods.

14.a. Elaborate Comment line arguments in python.  
 (or)

14.b. Explain the Standard Exceptions with suitable example.

15.a. Discuss about Special Symbols.  
 (or)

15.b. Write about Namespaces.

**Part C**

**5 x 12 = 60**

**Answer ALL questions**

**Each answer should not exceed 800 words or four pages**

16.a. Categorize the Operators in Python with an example.  
 (or)

16.b. Discuss Strings built-in methods and functions with examples.

17.a. Write short note on the following :

- i. while statement
- ii. for loop
- iii. break statement      (or)

17.b. Illustrate Creating functions with relevant examples.

18.a. What is tuple? Explain Built-in tuple functions.  
 (or)

18.b. Explain in detail about Built-in Methods in Set.

19.a. Explain Files in python.  
 (or)

19.b. Discuss Detecting and Handling Exceptions.

20.a. Illustrate Regexes and python in detail.  
 (or)

20.b. Write about Modules in python.

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