

Code : 303105

(2)

BCA 1st Semester Exam., 2021

PYTHON PROGRAMMING

Time : 3 hours

Full Marks : 60

Instructions :

- (i) The marks are indicated in the right-hand margin.
- (ii) There are **SEVEN** questions in this paper.
- (iii) Attempt **FIVE** questions in all.
- (iv) Question Nos. **1** and **2** are compulsory.

1. Choose the correct answer of the following
(any six) : 2×6=12

- (a) Who developed the Python language?
 - (i) Zim Den
 - (ii) Guido van Rossum
 - (iii) Niene Stom
 - (iv) Wick van Rossum
- (b) In which language is Python written?
 - (i) English
 - (ii) PHP
 - (iii) C
 - (iv) All of the above

(c) What do we use to define a block of code in Python language?

- (i) Key
- (ii) Brackets
- (iii) Indentation
- (iv) None of the above

(d) What is the method inside the class in Python language?

- (i) Object
- (ii) Function
- (iii) Attribute
- (iv) Argument

(e) Which of the following words cannot be a variable in Python language?

- (i) _val
- (ii) val
- (iii) try
- (iv) _try_

(f) Which of the following precedence orders is correct in Python?

- (i) Parentheses, Exponential, Multiplication, Division, Addition, Subtraction
- (ii) Multiplication, Division, Addition, Subtraction, Parentheses, Exponential
- (iii) Division, Multiplication, Addition, Subtraction, Parentheses, Exponential
- (iv) Exponential, Parentheses, Multiplication, Division, Addition, Subtraction

(g) Which of the following functions is a built-in function in Python language?

- (i) val()
- (ii) print()
- (iii) del()
- (iv) None of the above

(h) Which one of the following syntaxes is the correct syntax to read from a simple text file stored in "d:\java.txt"?

- (i) Infile = open("d:\java.txt", "r")
- (ii) Infile = open(file="d:\\java.txt", "r")
- (iii) Infile = open("d:\java.txt", "r")
- (iv) Infile = open.file("d:\java.txt", "r")

(i) Which of the following options is not a core data type in the Python language?

- (i) Dictionary
- (ii) Lists
- (iii) Class
- (iv) All of the above

(j) How to create a frame in Python?

- (i) Frame = new.window()
- (ii) Frame = frame.new()
- (iii) Frame = Frame()
- (iv) Frame = window.new()

2. Answer any *three* of the following : 4×3=12

- (a) What is list in Python?
- (b) What are the different types of exceptions in Python?
- (c) Define dictionary in Python with an example.
- (d) What are the benefits of using Python?
- (e) What are the different operators in Python?

3. Explain identifier naming concepts in Python. 12

4. Define module in Python and explain the ways to import modules to the program. 12

5. Explain Python file handling. 12

6. Differentiate between tuple and list. 12

7. Explain applications of Python. 12

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