



003-2036003

Seat No.

BACHELOR OF COMPUTER APPLICATION (W.E.F. 2019) Examination

BCA (2019) Semester-6 March-2024

CS-33 PROGRAMMING IN PYTHON

Faculty Code :003

Subject Code : 003-2036003

Time : 2.5Hours]

[Total Marks : 70

- 1 (a) Attempt the following : 4
- 1 Who developed Python?
 - 2 _____ extension represents Python Compiled File
 - 3 List out standard data types of Python.
 - 4 List out string operators.
- (b) Attempt any one : 2
- 1 What is Python?
 - 2 What is a python identifier?
- (c) Attempt any one : 3
- 1 Explain scope of variables.
 - 2 Explain if statement with example.
- (d) Attempt any one : 5
- 1 Explain advantages and disadvantages of Python.
 - 2 Explain Lists in detail.
- 2 (a) Attempt the following : 4
- 1 List out any 5 standard exceptions.
 - 2 _____ catch all exceptions in Python
 - 3 Which keyword is used to define a user define function?
 - 4 List out different sorting algorithms.
- (b) Attempt any one : 2
- 1 Explain try-finally clause.
 - 2 What is the use of Exception?

- (c) Attempt any one : 3
- 1 Write a python script for linear search.
 - 2 Explain capitalize() and count().
- (d) Attempt any one : 5
- 1 Explain python hash table.
 - 2 Explain class inheritance with example.
- 3 (a) Attempt the following : 4
- 1 Which method is used to display the graph on screen?
 - 2 Pl.plot(x,y,'- -') here - - means _____
 - 3 Which method is used to show the informative titles?
 - 4 Which method is used to display the graph on screen?
- (b) Attempt any one : 2
- 1 What is divide?
 - 2 What is plotting?
- (c) Attempt any one : 3
- 1 What is optimal substructure?
 - 2 Explain Memoization.
- (d) Attempt any one : 5
- 1 Explain 1/0 knapsack algorithm with example.
 - 2 What is dynamic programming? Explain with example.
- 4 (a) Attempt the following : 4
- 1 Give the full form of IP.
 - 2 TCP stands for _____
 - 3 Which method is used to create socket?
 - 4 Which library is to be imported for sending the mail?
- (b) Attempt any one : 2
- 1 What is network programming?
 - 2 What is the use of IP address?
- (c) Attempt any one : 3
- 1 Explain socket programming.
 - 2 Write a python script to read the source code of a web page.

- (d) Attempt any one : 5
- 1 Write a python GUI script to create a simple registration form. (Name, EmailID, Contact no, College Name and a submit button)
 - 2 Explain UDP and TCP in detail.
- 5 (a) Attempt the following : 4
- 1 SQL stands for _____
 - 2 Which method saves the changes made to the database?
 - 3 Which library is to be imported for connecting with database?
 - 4 Which function/attribute is used to get the last row inserted id?
- (b) Attempt any one : 2
- 1 Give the syntax and example of creating a table.
 - 2 What is cursor?
- (c) Attempt any one : 3
- 1 Explain fetchall() and fetchone() methods.
 - 2 Write a python script to view all the records available in “student” table.
- (d) Attempt any one : 5
- 1 Explain database in detail.
 - 2 Write a python script to create a new table and insert 5 records.