



Seat No. _____

HB-003-2036003

B. C. A. (Sem. VI) (CBCS) (W.E.F. 2019) Examination

April - 2023

Programming in Python : CS-33

Faculty Code : 003

Subject Code : 2036003

Time : $2\frac{1}{2}$ / Total Marks : 70

- 1 (a) Attempt the following : 4
- (1) Who is the developer of Python ?
 - (2) Which special character used for new line ?
 - (3) Python command are evaluated/executed in _____.
 - (4) The _____ symbol is to set single line comment in python.
- (b) Attempt the following : (any one) 2
- (1) Explain tuple with example.
 - (2) What is global variable ?
- (c) Attempt the following : (any one) 3
- (1) Explain Branching Statement in Python.
 - (2) Explain Dictionary in detail with example.
- (d) Attempt the following : (any one) 5
- (1) Explain Iteration statements in Python.
 - (2) Explain List in details with example.
- 2 (a) Attempt the following : 4
- (1) The python _____ statement forces a specified exception to occur.
 - (2) ELSE keyword is used in exception Handling in python (True/False).
 - (3) _____ exception catch all exception in python.
 - (4) Partition and exchange sort is _____.
- (b) Attempt the following : (any one) 2
- (1) Explain assertions in python.
 - (2) Explain class in python.

- (c) Attempt the following : (any one) 3
 (1) Explain Hash Table with example.
 (2) Explain Bubble sort in python.
- (d) Attempt the following : (any one) 5
 (1) What is inheritance ? Explain any two with example.
 (2) Explain Handling Exception in python.
- 3** (a) Attempt the following : 4
 (1) Knapsack problem is also known as _____ problem.
 (2) _____ method display the graphical window on the computer screen.
 (3) When stores PyLab Figure, Default extension _____.
 (4) Which function is used to save plot graph to file ?
- (b) Attempt the following : (any one) 2
 (1) Explain show () function in python.
 (2) Explain legend () function in python.
- (c) Attempt the following : (any one) 3
 (1) Explain divide and conquer in detail.
 (2) Explain Fibonacci sequence.
- (d) Attempt the following : (any one) 5
 (1) Explain 0/1 knapsack algorithm with example.
 (2) Explain Plotting Mortgages in python.
- 4** (a) Attempt the following : 4
 (1) URL stand for _____.
 (2) UDP stand for _____.
 (3) TCL stand for _____.
 (4) TCP/IP stand for _____
- (b) Attempt the following : (any one) 2
 (1) Write a code for download an image from internet.
 (2) Explain Button with example.
- (c) Attempt the following : (any one) 3
 (1) Explain sending a simple mail with example.
 (2) Explain Entry Fields with example.
- (d) Attempt the following : (any one) 5
 (1) What is a dialog ? Explain all with example.
 (2) Explain File Server and File Client with example.

- 5** (a) Attempt the following : **4**
- (1) SQL stand for _____.
 - (2) Which package used to connect Mysql database in python code ?
 - (3) List out connection () function parameters.
 - (4) Which method of cursor class is used to fetch only one row from the table ?
- (b) Attempt the following : (any one) **2**
- (1) Write a python code to inserting record in the table.
 - (2) Write a python code to deleting record in the table.
- (c) Attempt the following : (any one) **3**
- (1) Write a python code to verifying the MySQL dB Interface Installation.
 - (2) Write a python code to retrieving all rows from a table.
- (d) Attempt the following : (any one) **5**
- (1) Write a python code to creating Python database and student table like grno, name, address, std and birth date through python.
 - (2) Write a python code to read grno from the user and update that record otherwise give message “grno is not available.”
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