

Total No. of Questions : 5]

SEAT No. :

PA-1982

[Total No. of Pages : 2

[5954]-505
T.Y. B.B.A. (CA)
CA - 504 :PYTHON
(2019 Pattern) (Semester - V)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Figures to the right indicate full marks.*

Q1) Attempt any eight of the following questions.

[8×2=16]

- a) List out special operators in Python?
- b) Explain any two tuple operations with an example.
- c) What is the use of '+' and '*' operators on tuples?
- d) What is the use of random() in random module?
- e) What is the syntax of constructor in Python?
- f) What is the use of try - finally block?
- g) List out any 5 button options in Python?
- h) How is grid() geometry management method used in tkinter?
- i) What are advantages of Pandas?
- j) State the uses of tensor flow.

Q2) Attempt any four of the following questions.

[4×4=16]

- a) Explain function Arguments in detail?
- b) Explain any three widgets in tkinter in brief.
- c) Explain IS-A Relationship and Has - A relationship with example?
- d) Write a python program to create a class circle and compute the Area and the circumferences of the circle. (Use parametrized constructor).
- e) Write a python script using class to reverse a string word by word?

P.T.O.

Q3) Attempt any four of the following questions. **[4×4=16]**

- a) What is Pandas? Explain features and advantages of Pandas.
- b) Write in brief about anonymous functions.
- c) Explain math built-in-module with examples?
- d) Write a python class to accept a string and number 'n' from user and display 'n' repetition of strings by overloading *operator.
- e) Write python GUI program to generate a random password with upper and lower case letters.

Q4) Attempt any four of the following questions. **[4×4=16]**

- a) Explain Exception handling in python with example?
- b) Explain methods for geometry management in tkinter with examples?
- c) Explain functions to delete elements in Dictionary?
- d) Write a python program to accept string and remove the characters which have odd index values of given string using user defined function.
- e) Write a python program to swap the value of two variables.

Q5) Write a short note on any two of the following. **[2×3=6]**

- a) NumPy
- b) Slicing dictionaries.
- c) Raise statement.

