

Total No. of Questions : 5]

SEAT No. :

**P1921**

[Total No. of Pages : 2

[6034]-505

**T.Y.B.B.A. (Computer Application)**

**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.

**[8×2=16]**

- a) What are special operators in Python?
- b) Difference between Python list and Numpy array.
- c) State any four time module.
- d) What is class variable?
- e) List out Geometry management methods.
- f) Define term Bind method.
- g) What is Sea born?
- h) Write any two common exceptions in Python.
- i) What are advantages of pandas.
- j) How to create class and object in Python?

**Q2)** Attempt any four of the following.

**[4×4=16]**

- a) Explain math and Cmath module in detail.
- b) Explain different data types in Python.
- c) Explain inheritance in brief with syntax.
- d) Explain various types of exceptional handling in Python.
- e) Explain principle of Keras.

**P.T.O.**

**Q3)** Attempt any four of the following :

**[4×4=16]**

- a) What are built in dictionary function in Python with example.
- b) Explain features of pandas in Python.
- c) Explain the following with proper syntax and example entry.delete, entry.insert.
- d) Write a Python program to find factors of a given number.
- e) Write a Python script to generate Fibonacci terms using generator function.

**Q4)** Attempt any four of the following.

**[4×4=16]**

- a) How to define function in Python? Explain with suitable example.
- b) Explain EXCEPT Clause with no exception.
- c) Explain IS-A relationship and It as-A relationship with example.
- d) Write a Python program to check if a given key already exists in a dictionary. If Key exists replace with another key/value pair.
- e) Write a Python program to swap the value of two variables.

**Q5)** Write short notes on (any two).

**[2×3=6]**

- a) Slicing Dictionaries.
- b) Data visualization.
- c) Custom Exception.

