

Seat No. _____

B.Sc. (I.T.) Semester V Examination

Paper No. 503 Python Programming — 4806

Time: 2:30 Hours

March 2015

Total Marks: 70

Q – 1. Answer the following questions.

1. What is Python? Explain its modes in detail. [7]
2. How many types of operators are used in Python programming? Explain any two. [7]

OR

Q – 1. Answer the following questions.

1. Write a detailed note on Operator precedence. [7]
2. Explain Input / Output statements with proper example. [7]

Q – 2. Answer the following questions.

1. Explain built-in maths functions. [7]
2. What is looping? Explain while loop with example. [7]

OR

Q – 2. Answer the following questions.

1. What is function? Explain types of functions. [7]
2. What do you mean by elif statement? Explain with proper example. [7]

Q – 3. Answer the following questions.

1. Explain following string functions with example. [10]
 - (i) isalnum()
 - (ii) isalpha()
 - (iii) lstrip()
 - (iv)rstrip()
 - (v) partition()
2. What is Regular expression? Explain the symbols of regular expression. [4]

OR

Q – 3. Answer the following questions.

1. How to create & compare strings in Python programming? [6]
2. Explain following special string operators with example. [8]
 - (i) []
 - (ii) [:]
 - (iii) in
 - (iv) not in

Q – 4. Answer the following questions.

1. What is List? How to create & update list in Python? [7]
2. What is method? Explain any three list methods with example. [7]

OR

Q – 4. Answer the following questions.

1. What is Traversing? Explain deleting & traversing operations of list. [7]
2. Explain basic list operations in details. [7]

Q – 5. Answer the following questions.

1. What is Dictionary? Explain various properties of dictionary keys. [7]
2. What is Tuple? Explain any three tuple functions with example. [7]

OR

Q – 5. Answer the following questions.

1. Explain Initializing and accessing elements in tuple. What is tuple indexing? [7]
2. Explain following dictionary methods with example. [7]
 - (i) has_key()
 - (ii) fromkeys()
 - (iii) values()
 - (iv) pop()