

Duration: 2.5Hrs

H210NPP

Marks:- 75

Note:- 1) All questions are compulsory

2) All questions carry equal marks

3) Figures to the right indicate maximum marks.

Q.1 Attempt any four of the following : (any 4)

(20 M)

- 1) What is Python? Explain its History.
- 2) Explain print () function with example.
- 3) Explain while loop with example.
- 4) Write short note on python keywords.
- 5) Explain the loop control statement break, continue and pass with example.
- 6) Write a program on following pattern:-

```
1
1 2
1 2 3
1 2 3 4
```

Q.2) Attempt any four of the following : (any 4)

(20 M)

- 1) What are relational operators? Explain with example
- 2) What is array? Explain with example.
- 3) What are Arithmetic operators ? Explain with example.
- 4) What is function ? Explain with example.
- 5) What are the advantages of module?
- 6) Write a python program to multiply the items in a list using function.

Q.3) Attempt any four of the following : (any 4)

(20 M)

- 1) What is tuple? Explain with example.
- 2) What is set? Explain with example.
- 3) Explain the different list operations with example.
- 4) Write the difference between list and tuple.
- 5) Explain any 5 String methods.
- 6) Write a program to find out the length of given String.

Q.4) Attempt any three of the following

(15 M)

- 1) Write a program to convert the temperature in degree centigrade to Fahrenheit.
- 2) Write a program to check whether the given integer is a multiple of 5.
- 3) Write a program to find maximum number among of two numbers using function.
- 4) Write the steps to create a function.
- 5) Write a program to print table of 6.
- 6) Explain different flavours of python.

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