

**GOVERNMENT POLYTECHNIC MUMBAI**  
**TERM END EXAMINATION**

**Programme : IT**

**Course Title : Python**

03Hours/70marks

Enrolment No.

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### Instructions:

1. Attempt all the questions.
2. Illustrate your answer with neat sketches wherever necessary.
3. Use of Mathematical Tables, Steam Table and Pocket Calculator (non-programmable) is permissible.
4. Marks on Right Hand Side indicate full marks for the question.
5. Assume suitable additional data, if necessary.

**Q.1 Attempt any SEVEN**

**14Marks**

- a. Explain tuple functions
- b. How Tuple is created
- c. Explain decision making statements with example.
- d. Explain tuple and dictionary and its function
- e. Explain type conversion
- f. Explain list functions
- g. what is list?
- h. what are set ?
- i. Explain operators in python with examples.
- j. Write a program using print and assignment statements.

**Q.2 Attempt any THREE**

**12Marks**

- what is string in python?
- Explain tuple and dictionary with examples
- Explain in detail built-in libraries.
- Explain set functions

**Q.3      Attempt any THREE**

**12Marks**

- Explain operators ,strings and numbers in python with appropriate examples.
- Enlist tuple functions
- Explain functions with example.
- Explain in detail data structures in python.
- Enlist set functions

**Q.4          Attempt any TWO**

**12Marks**

- a. what is tuple?
- b. Syntax For list
- c. Enlist list functions