

II B. Tech I Semester Regular Examinations, October/November - 2017**PYTHON PROGRAMMING**

(Com to CSE & IT)

Time: 3 hours

Max. Marks: 70

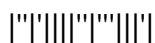
- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
 2. Answer **ALL** the question in **Part-A**
 3. Answer any **FOUR** Questions from **Part-B**
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PART -A

1. a) Explain input function. (2M)
- b) Give an example of lstrip() method. (2M)
- c) How to access values in a dictionary? (2M)
- d) What is default argument? (2M)
- e) What are basic overloading methods? (3M)
- f) Explain importing turtle graphics. (3M)

PART -B

2. a) What are IDLE usability features? (7M)
- b) Explain about keywords used in Python. (7M)
3. a) What are 4 built-in numeric data types in Python? Explain. (7M)
- b) Describe Python jump statements with examples. (7M)
4. a) Explain in detail about dictionaries in Python. (7M)
- b) Discuss about tuples in Python. (7M)
5. a) Describe anonymous functions examples. (7M)
- b) Why to use modules? How to structure a program? (7M)
6. a) Explain creating classes in Python with examples. (7M)
- b) Define error and exception. Distinguish between these two features. (7M)
7. a) Why testing is required? Explain in detail. (7M)
- b) Explain the following: i) Calendar module ii) Synchronizing threads (7M)



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PART -A

1. a) Explain output function. (2M)
- b) Give an example of istitle() method. (2M)
- c) Describe type() method with example. (2M)
- d) What is the general form of lambda? (2M)
- e) Explain about self variable with example. (3M)
- f) Describe time.time() method. (3M)

PART -B

2. a) Discuss bout variables and assignments. (7M)
- b) Explain about IDLE startup details. (7M)
3. a) What are Python assignment operators? Explain. (7M)
- b) Explain about iteration statements with examples. (7M)
4. a) Discuss about immutable constraints and frozen sets. (7M)
- b) What are built-in dictionary functions? Explain. (7M)
5. a) Distinguish between local and global variables with examples. (7M)
- b) Briefly discuss about Python packages. (7M)
6. a) Explain about handling an exception. (7M)
- b) Describe data hiding and constructors. (7M)
7. a) Explain about writing test cases and running tests. (7M)
- b) Explain the following: i) TopLevel widgets ii) Scale widget (7M)



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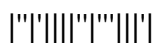
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PART -A

1. a) What is indentation? (2M)
- b) Give an example of isalnum() method. (2M)
- c) Describe has_key() method with example. (2M)
- d) What is a namespace? (2M)
- e) Explain user defined exceptions with examples. (3M)
- f) What is time tuple? (3M)

PART -B

2. a) Discuss about IDLE basic usage. (7M)
- b) Who uses python today? What are Python's technical strengths? (7M)
3. a) What are relational operators used in Python? Explain. (7M)
- b) Explain about string formatting operator with example. (7M)
4. a) Explain about built-in functions of tuple. (7M)
- b) Discuss about list and dictionary comprehensions. (7M)
5. a) Explain about required and variable-length arguments. (7M)
- b) Discuss in detail about the import statement. (7M)
6. a) Explain inheritance class with suitable example. (7M)
- b) Discuss about try except block with example. (7M)
7. a) Explain about unit testing in Python. (7M)
- b) Explain the following: i) zlib module ii) PanelWindow (7M)



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PART -A

1. a) What is byte code? (2M)
- b) Give an example of endswith() method. (2M)
- c) What is a set? Why sets? (2M)
- d) Define anonymous function. (2M)
- e) Give an example for raising an exception. (3M)
- f) What is tick? (3M)

PART -B

2. a) Briefly discuss about running Python scripts. (7M)
- b) Write the history of Python. (7M)
3. a) Explain Python bitwise operators with example. (7M)
- b) Discuss about Python operators precedence with example. (7M)
4. a) What are built-in dictionary functions? Explain. (7M)
- b) Explain about the importance of lists in Python. (7M)
5. a) Write a brief note on PIP. Explain installing packages via PIP. (7M)
- b) Explain about keyword and default arguments. (7M)
6. a) Give an overview of OOP terminology. (7M)
- b) Explain about except clause with multiple exceptions. (7M)
7. a) What is multithreading? Discuss about starting a new thread. (7M)
- b) Explain about colors and filled shapes. (7M)

