R16

SET - 1

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 Pyhton.   (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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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)

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