Seat No:	Enrollment No:
Seat 110:	Em onnent No:

PARUL UNIVERSITY

FACULTY OF IT & COMPUTER SCIENCE

Parul Institute of Computer Application Bachelor of Computer Application 2017–18 Mid Semester Examination

Semester: 2	Date: 29/03/2018
Subject Code: 05101155	Time: 10:00 to 12:00
Subject Name: Python Programming	Total Marks: 40

Instructions:

- 1. Figures to the right indicate full marks.
- 2. Make suitable assumptions wherever necessary.

Q.1 Answer the following.

(a) Give Answer of following Short Question.

[3]

- 1) Differentiate between Variables and Keywords.
- 2) What is a string slice? Explain with example.
- 3) Give a method name which is used to check data type of python variable.

(b) Solve MCQ

[7]

- 1) Which statement is used when you do not want any code to execute?
 - a) Break
- b) Go to
- c) Pass
- d) None of above
- 2) Operators with the same precedence are evaluated in which manner?
 - a) Left to Right
- b) Right to Left
- 3) Which of the following is an invalid statement?
 - a) abc = 1,000,000

- b) a b c = $1000\ 2000\ 3000$
- c) a,b,c = 1000, 2000, 3000
- d) a b c = 1,000,000
- 4) Which one of these is floor division?
 - a) /
- b) //
- c) %
- d) None of the mentioned
- 5) Which statement is used to check multiple conditions?
 - a) If...else...if
- b) If...
- b) If....else
- d) none of above
- 6) What is the output when following string statement is executed?

a) a

b) ab

c) cd

d) dc

	c) **	d) b & c		
Q.2	Answer the follo	owing.		
(a)			[4]	
	1) Explain the us	se of 'in' operator in string giving example.		
	2) What are Mod	dulus Operator and Boolean Expression? Explain giving example.		
(b)			[6]	
	1) What are Com	nplier and Interpreter? Explain interpreter in Detail.		
	2) Justify the stat	tement "Strings are immutable".		
Q.3	Attempt any TW	vo.		
1	What are Errors?	List and explain the different types of errors.	[5]	
2	List the operators	s precedence. Solve the following Program using operator precedence.	[5]	
	a = 20, b =	= 10, c = 15, d = 5, e = 0		
	e = (a + b) print "Valu	0 * c / d ue of $(a + b) * c / d$ is ", e		
	e = ((a + b) print "Value"	(a + b) * c) / d ue of $((a + b) * c) / d$ is ", e		
	e = (a + b) print "Valu	(c / d); ue of $(a + b) * (c / d)$ is ", e		
	e = a + (b) print "Valu	* c) / d; ue of a + (b * c) / d is ", e		
3	What is Chained using Chain Cond	execution? Write a program to find number is Largest among three number dition.	[5]	
Q.4	Answer the follo	owing.		
(a)	Write note on rec	cursion. Also write a program to find factorial of numbers using recursion.	[5]	
(b)	What is string? E	explain at least 4 methods of string.	[5]	
OR				
(b)	What is Alternat	ive Execution? Write Syntax and Draw Flow Charts.	[5]	

7) What arithmetic operators cannot be used with strings?

a) +

b) *