Paper / Subject Code: 82102 / Programming with Python-I.

CYCS.

2) Figures to the right indicate marks. 3) Illustrations, in-depth answers and diagrams will be appreciated. 4) Mixing of sub-questions is not allowed. Q. 1 Attempt All (Each of 5 Marks) (a) Multiple choice questions 1 is not a Keyword in Python. a) False		(2½ Hours) [Total Mark	s: 75]
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Paper / Subject Code: 82102 / Programming with Python-I.

(15M)

Q. 3 Attempt the following (Any THREE)

Explain if-elif-else statement with syntax and example.

Define Dictionary. How to create, update and delete it? Explain with suitable (c) How to create own functions in Python with/without parameters? Explain with examples. (d) How to use iterative for loop in Python? Explain. (e) Give the concept of local and global variables in function. Write a Python program to give the following output:-1 2 3 4 5 6 7 8 9 2 4 6 8 10 12 14 16 18 20 3 6 9 12 15 18 21 24 27 30 Q. 4 Attempt the following (Any THREE) (15M)(a) Write a note on Anonymous Functions. (b) Define a Class and Object in Python? How to create it? Explain with example. (c) List any five methods of Lists? Explain any four with example. Explain map () function with an example. (e) Write a program in python to count the number of each vowel in a string using dictionary and list comprehension. (f) Write a Python program to o check whether number is Armstrong or not. Q.5Attempt the following (Any THREE) (15M)Give the importance of precedence of operators in Python? (a) What is the role of Indentation in Python? Give example to illustrate. (b) Explain Random module and its functions. (c) (d) Write a program in python to display the Fibonacci sequence up to nth term, where n is given by the user. (e) Write a program in Python to solve quadratic equation when values of a, b and c are not equal to zero. *********