

Enrollment No.....



Knowledge is Power

Programme: BBA

Branch/Specialisation: Business  
Analytics



<b>Marking Scheme</b>					
<b>MS3CO40 (T) Data Analytics with Python (T)</b>					
Q.1	i) (c) [1, 4, 8] ii) (c) random.shuffle(list1) iii) (a) map (function, sequence) iv) (c) Private members of a class can be inherited and accessed v) (d) All of these vi) (a) array ([[0, 2], [1, 3]]) vii) (c) Value error viii) (b) Pandas.dataframe( data, index, columns, dtype, copy)  ix) (a) Data cleaning x) (b) Machine Learning	1 1 1 1 1 1 1 1 1 1	Q.5	i. Series 2 mark Data Frame 2 mark pandas 2 mark program 4 mark indexing in pandas 2 mark merge 4 mark  OR     iii. Attempt any two: i. Explain PDF files 2 mark Python 3 mark ii. data cleaning 2 mark important 3 mark iii. create dataset 2 mark process 3 mark	4 6 6
Q.2	i. Difference between – 2 marks ii. Key features - 3 marks iii. List 2 marks, Explanation – 3 marks  OR     iv. Type – 2 mark, Explanation – 3 mark	2 3 5  5	Q.6	*****	5
Q.3	i. Map -1 mark, filter mrthod – 1 mark ii. Importance- 2 marks Explanation & types – 6 marks  OR     iii. Overloading and overriding 2 mark Explain both with an example. 6 mark	2 8  8			
Q.4	i. What's the difference between a Python list and a NumPy array? ii. Reshape 4 mark NumPy 2 mark Array 2 mark  OR     iii. find the mean, median, and standard deviation 4 mark explain 3 mark	3 7  7			