	Pimpri Chinchwad Education Trust's
	Pimpri Chinchwad College of Engineering
	An Autonomous Institute
	(Permanently affiliated to Savitribai Phule Pune University)

IE-I Examination Question Bank

M. Tech. (Open Elective II)

Python for Data Science

Academic Year 2022-23

CO1 : Gain an in-depth understanding of Data science processes and the basics of statistics

CO2 : Understand and apply the essential concepts of python Programming

CO1 mapped to L2(Understanding) Level of Blooms Taxonomy

CO2 mapped to L3(Applying) Level of Blooms Taxonomy

	Unit 1: Overview of Python and Data Structures	
Q.1	Explain basics of Python	CO1
Q.2	Compare Python and Java	CO1
Q.3	Summarize Industrial importance of Python Programming	CO1
Q.4	Applications of Python in different fields	CO1
Q.5	Show with example different data types in Python	CO1
Q.6	Explain in short Python Variables with example	CO1
Q.7	Explain in short Python Functions with example	CO1
Q.8	Summarize Python Data Structures (String, List, Arrays etc..)	CO1
Q.9	Explain Python Dictionary in detail	CO1
Q.10	Explain Python Tuples and Sets in detail	CO1
	Unit 2: Data Science and Python	
Q.11	Define Benefit of Using Python For Data Science	CO2
Q.12	Differences between Big Data and Data Science	CO2

Q.13	Write a short note on Data Science Pipeline	CO2
Q.14	Write a short note on Use of Python Eco-System for Data Science	CO2
Q.15	Write a short note on Deep Learning in Python	CO2
Q.16	Write a note on Tensor Flow in Deep Learning	CO2
Q.17	Write a note on Parsing HTML with Beautiful Soup in Python	CO2
Q.18	Why Use Python For Data Science?	CO2