

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Online End Semester Examination, Dec 2021

Course: Descriptive Analytics for IoT	Semester: V
Program: B.Tech CSE with spz in IoT & Smart Cities	Time 03 hrs.
Course Code: CSIS 3006	Max. Marks: 100

SECTION A

S. No.	Question	Marks	CO
Q 1	How prescriptive analytics is different from predictive analytics? Give examples.	4	CO1
Q 2	Describe the five key areas of strategy.	4	CO1
Q 3	Draw and explain the main components of BI architecture.	4	CO1
Q 4	Discuss the different types of dashboard design in analytics.	4	CO4
Q 5	How centralized architecture is different from de-centralized architecture.	4	CO2

SECTION B

Q 6	Describe the sequence of activities for preparing a project plan.	10	CO3
Q 7	What are the different adoption structures for Bigdata analysis? Also list the two amendments that are required to bring Bigdata and Cloud together.	10	CO3
Q 8	Describe the concept of IoT data lifecycle management in detail.	10	CO2
Q 9	List the OLAP server architectures. Describe the typical OLAP operations with an example. OR Explain the various types of reports along with their applicability in detail.	10	CO3

SECTION-C

Q 10	Explain any 2 data visualization and analytics tools in terms of functionalities, working, advantages, disadvantages, etc.	20	CO4
Q 11	Briefly describe Multidimensional database. Explain the conceptual modeling of data warehouses in detail. OR Describe the followings: a. Laws of datamart development. b. Phases of ETL. c. 4 V's of Bigdata d. Harrah's case study.	20	CO1, CO2, CO4