


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, May 2022			
Course: DWH and Multidimensional modeling Program: B.Tech. - BAO Course Code: CSBA 3002		Semester: IV Time : 03 hrs. Max. Marks: 100	
Instructions:			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q1	Explain data warehousing and state its types	4	CO1
Q2	Critically analyze the importance of historical customer,	4	CO3
Q3	Explain fact-oriented design technique.	4	CO1
Q4	Explain Hyperion?	4	CO1
Q5	Analyze are candidate measures.	4	CO2
SECTION B (4Qx10M= 40 Marks)			
Q1	Analyze steps involved in data warehousing implementation.	10	CO4
Q2	Critically analyze the data warehousing delivery process.	10	CO2
Q3	Explain the Cognos functional architecture.	10	CO3
Q4.	Analyze the term “Grain of dimension”. OR Analyze the representation as a cube.	10	CO2
SECTION-C (2Qx20M=40 Marks)			
Q1	Explain multi-dimensional data analysis and analyze the following techniques in context to the same: a. Drill down b. Roll up c. Slice and Dice	20 (5+ 15)	CO5
Q2	Assume that you are designing a solution for ITC tobacco segment. Now tobacco is procured from say 5 states in India (name the ones you are using). a. Design the star schema for this	20	CO4

	<p>b. Design the snowflake schema for this OR</p> <p>Analyze the following for an File transfer architecture:</p> <ul style="list-style-type: none">a. Centralized process architectureb. Distributed process architecturec. Peer-to-peer architecture		
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