UPES

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2018

Programme Name: M.Tech-PLE	**Semester : III**
Course Name : ESM & its application in Petro Sector	**Time : 03 hrs**
Course Code : CHPL8005	**Max. Marks : 100**
Nos. of page(s) :2	

Instructions: all sections are compulsory

SECTION A (20)

S. No.	Write short notes on the following	Marks	CO
Q 1	Conceptualize Knowledge Pyramid	4	CO1
Q 2	Differentiate between Intelligent & Smart	4	CO1
Q 3	Analyze the requirement of Data Warehousing	4	CO3
Q 4	Identify and explain working principals of Data Warehousing	4	CO2
Q 5	Differentiate between LSCM & CRM	4	CO4

SECTION B (40)

	All questions are compulsory	Marks	CO
Q6	Illustrate BPR Life cycle	10	CO4
Q7	Appraise the significance of ERP in BPR	10	CO5
Q8	Interpret and explain the different E-Commerce types	10	CO4
Q9	Generate the basic strategies of Decision making Or Devise a plan to design an expert system for pipeline planning	10	CO5

SECTION-C (40)

	(According to the below given scenario please attempt Q10 and Q11)		
	A co-operative bank have 5,00,000 customer, to make a policy for distribution of loan among the customer it needs to create a data warehouse and a decision support system. Under the given circumstance please answer the following questions.		
Q 10	Design the required Data Warehouse architecture. Justify your answer	20	CO5
Q 11	Defend in detail the DSS model which should be implemented and why? Or Recognize the different pitfalls which one might face during the implementation and design process.	20	CO2

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SECTION A

S. No.	Write short notes on the following	Marks	CO
Q 1	Conceptualize DSS	4	CO1
Q 2	Classify the components of DSS	4	CO3
Q 3	Recognize the basic technologies of E-Commerce	4	CO1
Q 4	Identify and explain the importance of Data Warehouse	4	CO2
Q 5	Recognize the importance of G2C	4	CO2

SECTION B

	All questions are compulsory	Marks	CO
Q6	Illustrate BPR Life cycle	10	CO4
Q7	Explain the different types of data in GIS.	10	CO3
Q8	Differentiate between C2C & B2C. What is EFT?	10	CO3
Q9	Analyze the different failure reasons of BPR Or Analyze the different execution phases in ERP	10	CO5

SECTION-C (40)
(According to the below given scenario please attempt Q10 and Q11)

	You need to identify the most probable location for setting up of water pumping station for a refinery.		
Q10	Analyze the different GIS parameters with reasons for locating the place	20	CO5

Q11	Elucidate the importance of GIS for analyzing the necessary platform Or Illustrate the importance of GIS and GPS in the above planning process.	**20**	**CO4**