Name:		
Enrolment No:		



UNIVERSITY OF PETROLEUM & ENERGY STUDIES

Mid Semester Examination (Online) – June, 2021

Program: MBA (Business Analytics)

Semester: II

Subject/Course: Business Intelligence Max. Marks: 100

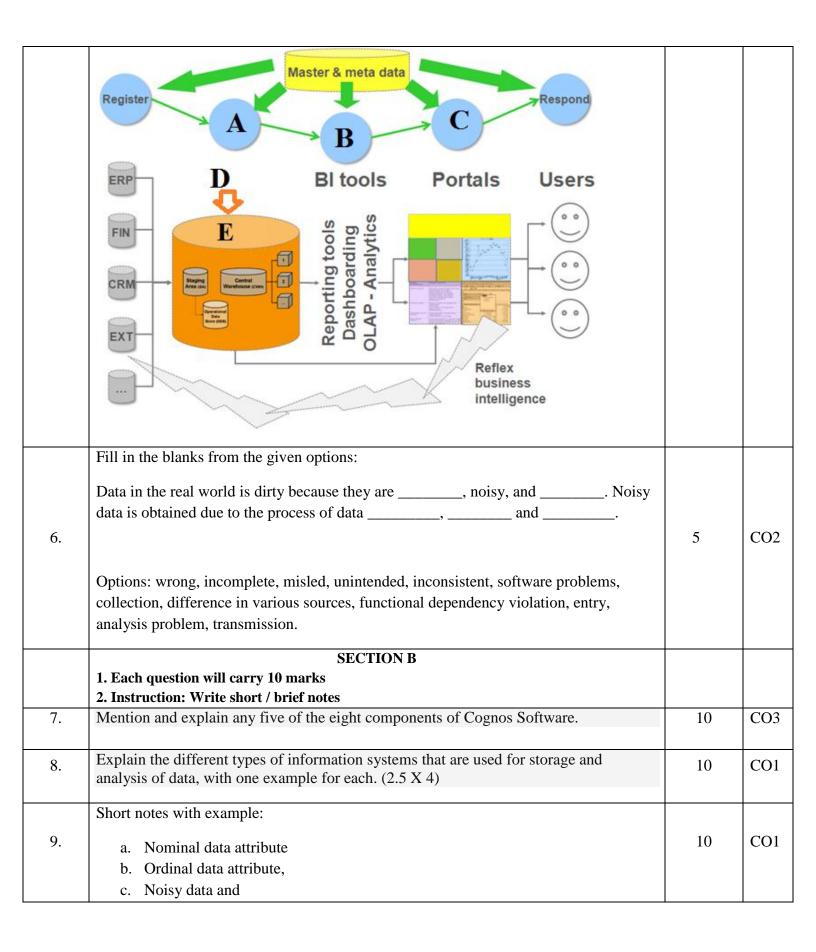
Course Code: DSBA 7006 Duration: 3 Hours

IMPORTANT INSTRUCTIONS

- 1. Use of calculator is allowed.
- 2. Differentiation in marks will be based on to-the-point answers.
- 3. Please note Writing sentences that misguide the examiner from the actual answer will lead to deduction of marks. So write less but accurate answers. Stick to the instructions given in the question paper.
- 4. In case of any confusion, take an assumption and mention the assumption taken.
- 5. In case of further confusion, feel free to contact the faculty in-charge.

Q.N	SECTION A 1. Each Question will carry 5 Marks 2. Instruction: Complete the statement / Select the correct answer(s)	Marks	Cos
1.	Business Intelligence is a set of methodologies that transform data into meaningful It is generally in nature. The main function of business intelligence is and based on the given dataset. Options: processed, raw, unstructured, information, descriptive, prescriptive, predictive, observation, analysis, interpretation, reporting, algorithmic.	5	CO1

	Match the following:			
	A. SAS	i) set of database tables to store application data of the Cognos.		
	B. Content Store	ii) used for reporting and data analysis and is considered a core component of business intelligence.		
	C. Content Manager	iii) Competitor of Cognos		
2	D. Content database	D. Content database iv) helps to understand the latest trends, compare data, and assess business performance for multidimensional analysis		CO3
	E. Cognos Analysis Studio	v) self-contained database server which is used to host the content store database in demo environments when enterprise DMBS in unavailable		
		vi) better understand the product, customer, and organizational needs.		
		vii) Manage storage and retrieval of report specifications, configuration data, published packages		
		e, mention and briefly explain the correct answer with example	<u>;</u>	
3.		ample. No marks without explanation) res aggregation whereas specialization requires segregation		CO3
		e, mention and briefly explain the correct answer with example ample. No marks without explanation)		
4.	Scientific data processing applies standard relational database and batch processing, whereas Commercial data processing does sorting and summarization using a wide variety of processing tools		n 5	CO2
5.	Complete the figure by	determining the missing values from A to E:	5	CO1



	d. Transaction	data.	(2.5 X 4)		
10.	Explain in details u (5 X 2)	ising bullet points, how to handle: (i) Miss	sing data (ii) Noisy data	10	CO2
11.	Explain the strategies for: (5 X 2) a. Dimensionality reduction b. Data transformation		10	CO2	
	SECTION C 1. Each question will carry 20 marks 2. Instruction: Write long answer (800 words maximum) Given is a set of attributes and the kind of data they represent				
12.	Attribute Region Customer Name Account Manager PO Number Order Date Ship Date Internet order Product Category Quantity Revenue Year a) Steps to visu revenue ears b) Steps to visu the colour or c) Mention the the product as green but	Provides the region East, West, North, South Customer name for the order Account manager in charge of the order Order number Date of order Date of shipment of the order Whether it is internet order or not – True or False Product category in the order Quantity of a particular product Revenue obtained from the product category for the order Year of the order – 2007 to 2012 Talize the percentage of revenue year-wise as ned over the five years. (6) Talize the total quantity ordered for each proof the bars in the bar graph to green. (6) The entire step as to how to set up the condition categories which have more than 100,000 quanything less than 10,000 sold is highlighted and b, What kind of a graph you should choose	duct category. Also change hal formatting and highlight antities sold over the years as red. (8)	20	CO4