Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, May 2019

Course: Telecom Analytics Program: BTech – CS (TI) Course Code: CSIB 487 Semester: VIII Time 03 hrs. Max. Marks: 100

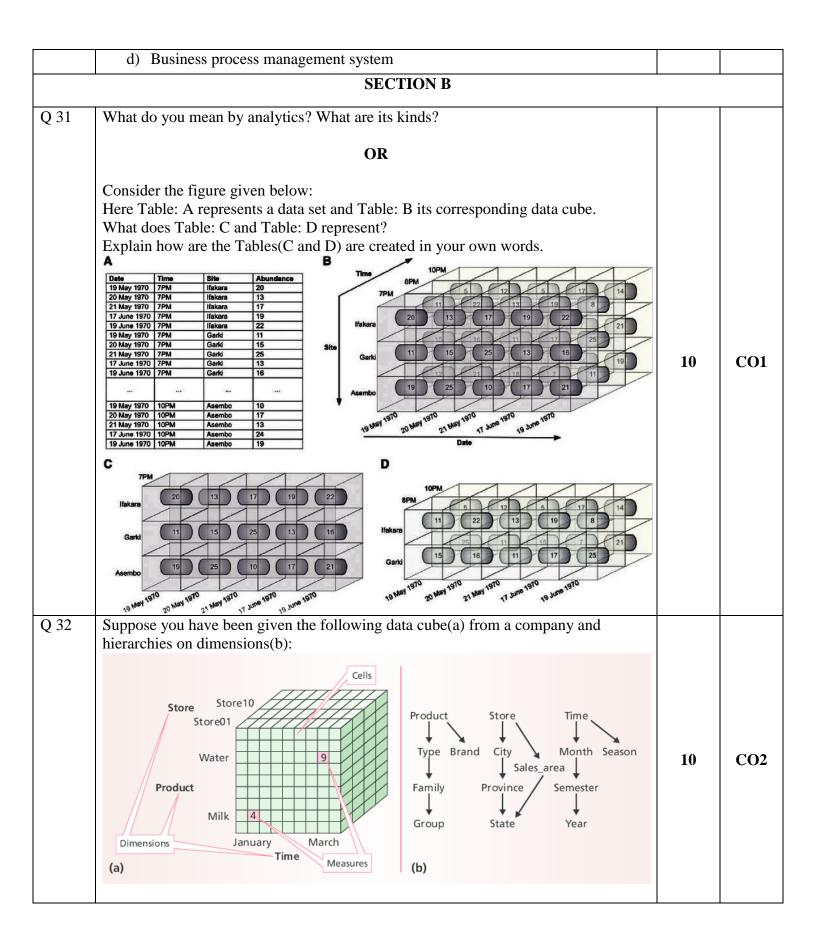
Instructions: All questions are compulsory. Answer Section A in a single sentence. Options are given for questions 31 and 32.

S. No.		Marks	CO
Q 1	Business intelligence (BI) is a broad category of application programs which includes		
	a) Decision Support	2	CO1
	b) Data Mining	4	COI
	c) OLAP		
	d) All of the mentioned		
Q 2	Point out the correct statement.		
	a) OLAP is an umbrella term that refers to an assortment of software applications for		
	analyzing an organization's raw data for intelligent decision making		
	b) Business intelligence equips enterprises to gain business advantage from data	2	CO1
	c) BI makes an organization agile thereby giving it a lower edge in today's evolving		
	market condition		
	d) None of the mentioned		
Q 3	BI can catalyze a business's success in terms of		
	a) Distinguish the products and services that drive revenues		
	b) Rank customers and locations based on profitability	2	CO1
	c) Ranks customers and locations based on probability		
	d) All of the mentioned		
Q 4	Which of the following areas are affected by BI?		
	a) Revenue		
	b) CRM	2	CO1
	c) Sales		
	d) All of the mentioned		
Q 5	Point out the wrong statement.		
	a) Data is factual information for analysis		
	b) BI is a category of database software that provides an interface to help users		
	quickly and interactively scrutinize the results in a variety of dimensions of the data	2	CO1
	c) Customer relationship management (CRM) entails all aspects of interaction that a	2	COI
	company has with its customer		
	d) None of the mentioned		

Q 6	is a performance management tool that recapitulates an organization's performance from several standpoints on a single page.		
	a) Balanced Scorecard	2	CO2
	b) Data Cube		
	c) Dashboardd) All of the mentioned		
07			
Q 7	is a system where operations like data extraction, transformation and loading operations are executed.		
	a) Data staging		
	b) Data integration	2	CO2
	c) ETL		
	d) None of the mentioned		
Q 8	is a category of applications and technologies for presenting and		
ΥU	analyzing corporate and external data.		
	a) Data warehouse		
	b) MIS	2	CO2
	c) EIS		
	d) All of the mentioned		
Q 9	Which of the following is the process of basing an organization's actions and		
-	decisions on actual measured results of performance?		
	a) Institutional performance management	2	000
	b) Gap analysis	2	CO2
	c) Slice and Dice		
	d) None of the mentioned		
Q 10	Which of the following is an unsupervised data mining technique?		
	a) Cluster analysis only		
	b) Both Regression and RFM Analysis	2	CO2
	c) Regression Analysis only		
	d) RFM analysis only		
Q 11	Which type of data sets, does k-means partitioning is suitable for		
	a) Large data sets		GOA
	b) Spatial data sets	2	CO3
	c) Separated clusters		
0.12	d) Small data sets		
Q 12	What type of model is used for text retrieval?		
	a) Nearest Neighbour b) Linear Pagrassion	2	CO3
	b) Linear Regressionc) Clustering	4	
	d) Non-linear regression		
Q 13	Which of the metadata approach helps in integration with multi-vendor tools along		
Υ 1 <i>3</i>	which of the includula approach helps in integration with indu-vendor tools along with flexibility		
	a) Decentralized API approach		
	b) Centralized API approach	2	CO3
	c) Centralized or repository approach		
	d) Decentralized or interchange approach		

Q 14	is a category of applications and technologies for presenting and		
•	analyzing corporate and external data.		
	a) Data warehouse		001
	b) EIS	2	CO3
	c) MIS		
	d) All of the mentioned		
Q 15	This is broad category of applications and technologies for gathering, storing,		
	analyzing and providing access to data to help enterprise users make better business		
	decisions.		
	a) Business Intelligence	2	CO3
	b) Business Information Warehouse		
	c) Best practice Data Mart		
0.1.6	d) Business Warehouse		
Q 16	Which of the following is not a component of a data warehouse?		
	a) Metadata		000
	b) Lightly summarized data	2	CO3
	c) Component key		
0.17	d) Current detail data		
Q 17	Business intelligence is a broad category of application programs which includes:		
	a) OLAP b) Decision support	2	CO2
	b) Decision support	2	CO3
	c) Data Miningd) All of the mentioned		
Q 18	BI can catalyze a business's success in terms of:		
Q 10	a) Distinguish the products and services that drive revenues		
	b) Rank customers and locations based on profitability	2	CO3
	c) Ranks customers and locations based on probability	4	0.05
	d) All of the mentioned		
Q 19	By default, in a schema, all attributes are directly related to the key		
Υ ¹	attributes.		
	a) Star		~~~
	b) Snowflake	2	CO3
	c) Relational		
	d) None of the mentioned		
Q 20	Which tool is used for querying data warehouse?	1	
	a) Data marts		
	b) Data-mining tools	2	CO3
	c) Database management systems		
	d) Pick and shovels		
Q 21	What is the objective of a business intelligence system?		
	a) Gathering confidential information from competitors		
	b) Improving the timeliness and quality of input for decision making	2	CO4
	c) Improving the timeliness and quality of decisions		
	d) All of the mentioned		
Q 22	Which enterprise software's primary goal is to improve and streamline internal	2	CO4
L	business processes?	4	

	a) SCM		
	b) ERP		
	c) CRM		
	d) None of the mentioned		
Q 23	When BI is focused on external competition then, it is		
Q 25	a) External business intelligence		
	b) Smart	2	CO4
	c) Illegal	-	001
	d) Competitive intelligence		
Q 24	What is the main benefit of using DSS		
x - ·	a) Express problem solving		
	b) Increases organizational control	2	CO4
	c) Promotes learning or training		
	d) All of the mentioned		
Q 25	We have Market Basket data for 1000 rental transactions at a video store. There are		
	four videos for rent- Video A, Video B, Video C and Video D. The probability that		
	Video D will be rented given that Video C has been rented is known as		
	a) Support	2	CO4
	b) Confidence		
	c) Lift		
	d) Basic probability		
Q 26	What is the unit called, in which character text is parses during term extraction?		
	a) Word		
	b) Token	2	CO4
	c) Element		
	d) Block		
Q 27	What is a subset of a data warehouse?		
	a) Data set		
	b) Data mart	2	CO4
	c) Data storeroom		
	d) Database		
Q 28	What type of model is used for text retrival:		
	a) Linear regression		
	b) Nearest neighbor	2	CO4
	c) Clustering		
0.00	d) Non-linear regression		<u> </u>
Q 29	BI systems do not obtain their data by which of the following means?		
	a) Process data purchased from data vendors	-	
	b) Read and process data from an operational database	2	CO4
	c) Process transactions		
0.20	d) Process extracts from operational databases		
Q 30	Which of the following is an IT system that supports the capture, organization and		
	dissemination of knowledge		
	a) Knowledge management system	2	CO4
	b) Workflow system		
	c) Automatic workflow sytem		



	Explain how cross tabulation can help t	o deal with the different hierarchies?		
		OR		
	Discuss the Gestalt's dashboard design and which should be used when and ho	principles. Which graphs should be avoided		
		SECTION-C		
Q 33	The steps are required to plan a BI proj			
	The company that you are working for i forward to implement a BI project?	s a stocks investment firm. How are you goin	g	
	Requised of so & data data data data data data data da	ine Project irements ne condition urce files tabases Revise risk assessment ify critical iss factors Create high-level project plan ick-off	10	CO3
Q 34	A graphic novel company named 'Marvel' looked at its data as shown as below: Customer complaints 100			
	Customer complaints resolved	70		
	Total Customers till last year	10000	10	CO4
	Total Customers till today	98000		
	Printing Cost last year	8000		
	Printing Cost this year	7000		
	New characters introduced last year	12		

