Name:

Enrolment No:



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

Course: Business Intelligence Program: BTech – CS (OGI) Course Code: CSIB 383 Semester: VIII Time 03 hrs. Max. Marks: 100

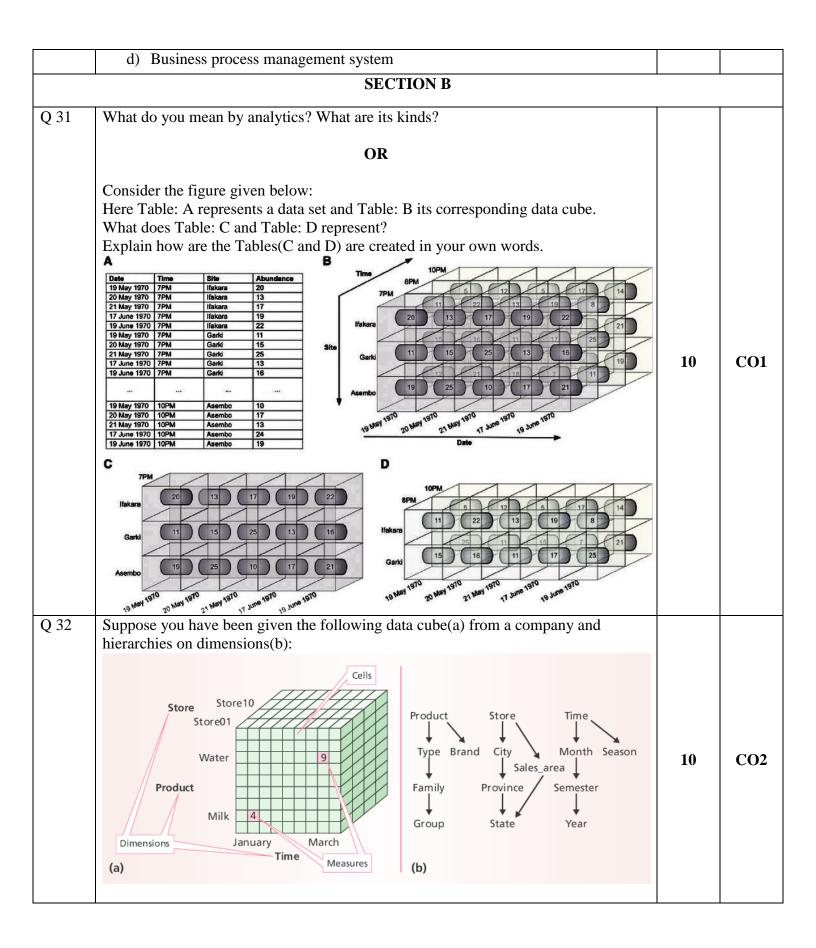
Instructions: All questions are compulsory. Answer Section A in a single sentence. Options are given for questions 31 and 32.

SECTION A				
S. No.		Marks	CO	
Q 1	Business intelligence (BI) is a broad category of application programs which includes a) Decision			
	 b) Data Mining c) OLAP d) All of the mentioned 	2	CO1	
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 c) BI makes an organization agile thereby giving it a lower edge in today's evolving market condition d) None of the mentioned 	2	CO1	
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 c) Ranks customers and locations based on probability d) All of the mentioned	2	C01	
Q 4	 Which of the following areas are affected by BI? a) Revenue b) CRM c) Sales d) All of the mentioned 	2	C01	
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 c) Customer relationship management (CRM) entails all aspects of interaction that a company has with its customer d) None of the mentioned 	2	C01	

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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) Dashboard		
	d) All of the mentioned		-
Q 7	is a system where operations like data extraction, transformation and		
	loading operations are executed.		
	a) Data staging	2	CO2
	b) Data integration	_	001
	c) ETL		
	d) None of the mentioned		
Q 8	is a category of applications and technologies for presenting and		
	analyzing corporate and external data.		
	a) Data warehouse	2	CO2
	b) MIS	_	001
	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	CO2
	b) Gap analysis	-	001
	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		
	b) Spatial data sets	2	CO3
	c) Separated clusters		
	d) Small data sets		-
Q 12	What type of model is used for text retrieval?		
	a) Nearest Neighbour		~ ~ ~
	b) Linear Regression	2	CO3
	c) Clustering		
	d) Non-linear regression	-	
Q 13	Which of the metadata approach helps in integration with multi-vendor tools along		
	with flexibility		
	a) Decentralized API approach	2	CO3
	b) Centralized API approach		
	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	2	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?		
	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
	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 23	a) External business intelligence		
	b) Smart	2	CO4
	c) Illegal	2	0.04
	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	_	001
	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		
	d) Non-linear regression		
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		
0.00	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 to deal w		ent merarem			
		OR					
	Discuss the Gestalt's dashboard of and which should be used when a		es. Which gr	aphs should	be avoided		
		SECT	ION-C				
Q 33	Suppose an institute offers only of 1 year. They collected some data	-		-	of duration		
		2016	2017	2018	2019		
	Students admitted	104	116	120	100		
	Students graduated	87	92	100	75		
	Research Grants applied	3	7	6	9		
	Research Grants received	0	3	5	4		
	Total Classes	72	65	64	70		
	Total Cost	54000	60000	64000	60000	10	CO3
	Faculty Training Sessions	9	7	2	5		
	To measure the institute's perform Performance Indicators' (KPIs) of 1) Graduation Rate: How ma	lefined as:	-		le 'Key		
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