SRM Institute of Science and Technology
Department of Computer Application

Delhi - Meerut Road, Sikri Kalan, Ghaziabad, Uttar Pradesh – 201204

Academic Year: 2023-24 (ODD)   SET – A

Test	: Internal Examination I	**Date & Session : 8/08/2023 AN**
Course Code & Title : UDS21S03J , Data Engineering for Enterprise		**Duration:1 Hour 30 Mins**
Year &Sem	: II/ III	**Max. Marks: 50**

Part - A

Answer all questions   (9Q x 2M = 18 Marks)

Q. No	Question	Marks	BL	CO	PO
1	Define the term Big data with its various types.	2	1	1	1
2	Explain the characteristics of Big Data.	2	1	1	1
3	List the challenges associated with Internet of Things(IOT).	2	2	1	3
4	Describe Hadoop Distributed File System(HDFS).	2	1	1	3
5	Differentiate between operational big data and analytical big data technology .	2	2	1	1
6	Explain JSON file structure& Compare it with XML.	2	2	3	2
7	How Big Data and IOT impact on each other ?	2	1	2	1
8	Explain the characteristics of data quality.	2	1	3	1
9	Discuss about Column oriented database.	2	1	2	~1

Part B

Answer all questions   **2Q x 16M = 32 Marks**

		Marks	BL	CO	PO
11.	(A) Discuss about hadoop with its architecture. Explain the various component of hadoop 1.0 architecture in detail.	16	1	1	3
	(OR)				
	(B) Discuss IOT . Explain the 4 stage architecture of IOT system with its advantages and disadvantages.	16	1	2	3
12.	(A)(i) Differntiate between data Engineering and data science. And also explain the process of data engineering.	16	2	3	2
	(ii) Differentiate among Data warehouse, Data Mart and Data lake.				
	(OR)				
	(B)Discuss about data pipeline with its challenges & also compare ETL and ELT.	16	2	3	3

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DELHI-NCR CAMPUS, GHAZIABAD (U.P)

Academic Year: 2023-24 (ODD)   SET – B

Test	: Internal Examination I	Date & Session	: 08/08/2023 FN
Course Code & Title	: UDS21303J Introduction to Natural Language Processing		
Duration	:1 Hour 30 Mins		
Year &Sem	: II – III SEM	Max. Marks: 50	

Part - A

Answer all questions   (9Q x 2M = 18 Marks)

Q. No	Question	Marks	BL	CO	PO
1	Differentiate the functions of Natural Language Processing System	2	1	1	2
2	List any three advantages of NLP	2	2	2	1
3	Define semantic analysis and Lexical analysis	2	1	2	3
4	Explain the tokenization in NLP	2	3	1	2
5	Draw the parse tree for a statement and define the same	2	1	2	1
6	List the components of Natural Language Processing NLU , NLG	2	1	1	2
7	State Discourse integration in NLP	2	1	1	4
8	Differentiate sentence planning and text realization	2	2	1	1
9	List the steps involved in learning process	2	2	1	1

Part B

Answer all questions	2Q x 16M = 32 Marks			
11. (A) Identify how the functions in natural language processing enables human language easily understandable	16	1	1	4
(OR)				
(B) Consider a conversation between friends on a movie and list the different phases involved in natural language processing	16	4	2	2
12. (A)State how the Learning happens in natural language processing system with examples	16	2	2	3
(OR)				
(B) Differentiate the components of natural language processing system in a playground environment	16	1	2	1

Test	: Internal Examination I	Date & Session : 07/08/2023Course
Code & Title :	UDS21302J & Advanced computing with python and GCP	Duration:1 Hour 30 Mins
Year & Sem	: 2023 & 3rd semester	Max. Marks: 50

Part – A

Answer all questions (9Q x 2M = 18 Marks)

Q.No	Question	Mars	BL	CO	PO
1	Write a short note on Cloud Models.	2	2	2	4
2	Draw a diagram Architecture of Cluster Computing.	2	2	2	5
3	Provide a rundown of the most significant advantages gained by utilizing Google's Cloud Services.	2	2	2	6
4	Illustrate the processor of working with Cloud Computing?	2	3	3	4
5	Define IP address.	2	1	1	3
6	What is a peer-to-peer process?	2	3	3	2
7	Discuss about Node.	2	2	3	4
8	Give examples of using Clustering to solve real-life problems.	2	4	2	6
9	List out the advantages and disadvantages of the second-generation grid.	2	3	3	5

Part B

Answer all questions 2Q x 16M = 32 Marks

		Marks	BL	CO	PO
11.	(A) What's the difference between cluster and grid computing models? Which one do you think is better? Why?	16	4	3	9
	(OR)				
	(B) Describe how the grid resources can be accessed via grid portals with a figure.	16	3	5	11
12.	(A) Explain the Primary that exists between virtualization and cloud computing.	16	4	6	8
	(OR)				
	(B) Mention some common hardware components used for High Performance Computing?	16	5	5	12

Academic Year: 2023-24 (ODD)   SET – B

Test : Internal Examination I

Date & Session   : 07/08/23 & 2023-24

Course Code & Title : UDS21301J/ Introduction to Deep Learning

Year & Sem   : II year / III Sem

Duration:1 Hour 30 Mins

Max. Marks: 50

Part - A

Answer all questions

(9Q x 2M = 18 Marks)

Q. No	Question	Marks	BL	CO	PO
1	Define the concept of neural networks in deep learning?	2	2	3	1
2	Define AI. How AI is related to Deep Learning?	2	1	2	3
3	Define the concept of advanced Deep learning?	2	1	1	2
4	What are the benefits of Deep Learning?	2	3	2	2
5	How deep learning used in healthcare?	2	2	1	3
6	What are the advantages of Deep Learning?	2	1	1	2
7	Explain about end-to-end Learning?	2	3	1	1
8	What are disadvantages of neural network?	2	2	3	1
9	Whatare the types of Machine learning?	2	2	1	1

Part B

Answer all questions

2Q x 16M = 32 Marks

11. (A)Define all the steps involved in the workflow of Deep Learning?

16   3   4   1

(OR)

(B) What are the promises and challenges in Deep Learning.

16   2   3   2

12. (B) Explain how Data Science is different from Deep Learning. Differentiate with at least 5 points.

16   2   3   1

OR

(B) Explain the Architecture of Deep learning with proper Explanation .

16   3   4   2

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DELHI-NCR CAMPUS, GHAZIABAD (U.P)

Academic Year: 2023-24 (ODD)   SET – B

Test	: Internal Examination I	Date & Session : 9/8/23 FN
Course Code & Title : UJK20301T/ Universal Human Values		Duration: 1 Hour 30 Mins
Year & Sem	: II Yr/ III Sem	Max. Marks: 50

Part - A

Answer all questions   (9Q x 2M = 18 Marks)

Q. No	Question	Marks	BL	CO	PO
1	Define the concept of Love.	2	1	1	1
2	Explain Agape with example.	2	1	1	1
3	How do you recognize a compassionate nature of an individual?	2	1	1	1
4	What do you mean by righteousness?	2	1	1	1
5	How love and compassion are interrelated?	2	1	1	1
6	"Truth is a relative concept." Justify your answer.	2	2	2	1
7	How you define empathy?	2	1	1	1
8	Explain what is to be at peace?	2	1	1	1
9	What do you mean by renunciation?	2	1	1	1

Part B

	Answer all questions	2Q x 16M = 32 Marks		
10.	(A) What does universal human value mean? Explain any 5 human values stating their importance.	16	1	1	1
	(OR)				
	(B) How the students benefit from learning the basic universal human value systems in their life?	16	2	2	1
11.	(A) Explain what is Service? Narrate a story where your help to a friend was much appreciated.	16	3	2	1
	(OR)				
	(B) Explain how developing of sympathetic, empathetic and compassionate nature can sub-side violence?	16	2	2	1