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 – B

Test	: Internal Examination II	Date & Session : 25/09/23 & FN
Course Code & Title	: UDS21301J/Introduction to Deep Learning	Duration: 1 Hour 30 Mins
Year & Sem	: 2nd /3rd	Max. Marks: 50

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

Q. No	Question	Marks	BL	CO	PO
1	What is Artificial Neuron? Explain.	2	2	2	3
2	Explain the concept of unsupervised model in Deep Learning.	2	2	2	2
3	What are the hardware components required in building a deep learning hardware system?	2	1	2	3
4	Write the difference between Linear and Non-Linear Regression.	2	2	2	2
5	Describe Loss calculation in Deep learning.	2	1	2	2
6	How to collect the data in DL process. Explain with points.	2	1	2	1
7	How to teach artificial neuron unknown functions.	2	2	2	3
8	What are the challenges in deep learning.	2	2	2	2
9	How to select the model for deep learning problems.	2	2	1	3

Part B

Answer all questions
2Q x 16M = 32 Marks

Q. No	Question	Marks	BL	CO	PO
11.	(A) Differentiate between Artificial Intelligence, Machine Learning, Deep Learning and Data Science? Explain with neat and clean diagram.	16	2	2	3
	(OR)				
	(B) Describe the steps involved in the deep learning implementation framework with proper Explanation.	16	1	2	3
12.	(A) Explain the complete process of Linear transformation and the steps involved in the linear transformation? How linear transformation can be helpful in deep learning.	16	2	2	2
	(OR)				
	(B) What is Regression? Explain the steps to solve a regression problem with the appropriate example.	16	2	2	2

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DELHI-NCR CAMPUS, GHAZIABAD (U.P)

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

Test   : Internal Examination II
Course Code & Title: UDS21302J & Advanced computing with python and GCP
Year & Sem   : 2023 & 3rd semester

Date & Session: 25/09/2023 & 2023-2024
Duration: 1 Hour 30 Mins
Max. Marks: 50

Part – A

Answer all questions
Question

(9Q x 2M = 18 Marks)

Q. No	Question	Marks	BL	CO	PO
1	Draw a diagram of cluster.	2	2	1	3
2	Clarification of Docker?	2	1	2	2
3	Define In memory computing.	2	2	3	1
4	What is Error handling?	2	1	2	8
5	Write a program two matrices multiplication.	2	3	2	2
6	Illustrate the virtual private networks?	2	2	4	2
7	Effect of Weighted round robins?	2	2	4	9
8	Give four examples of real time computing.	2	2	3	5
9	Create Google Kubernetes.	2	3	4	9

Part B

Answer all questions

2Q x 16M = 32 Marks

		Marks	BL	CO	PO
1.	(A) Discuss parallel meshing and remeshing.	16	4	5	14
	(OR)				
	(B) Evaluate the openMP with the help of suitable program.	16	4	4	9
2.	(A) Differentiate between Kubernetes and container.	16	5	5	12
	(OR)				
	(B) Explain dynamic load balancing.	16	4	4	8

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DELHI-NCR CAMPUS, GHAZIABAD (U.P)

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

Test	: Internal Examination II	Date & Session	: 26/09/2023 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	List any three applications of Natural Language Processing in healthcare	2	2	3	5
2	Define Lemmatization	2	2	3	6
3	Compare text analysis methods	2	3	4	8
4	List the any three real time examples for Applications of Natural Language Processing	2	1	5	11
5	State Exploratory Data Analysis	2	2	4	7
6	Identify the components of text preprocessing	2	2	3	9
7	Explain how Natural Language Processing works in energy	2	1	3	12
8	How a stop word will be removed?	2	2	4	14
9	Define Stemming	2	1	5	10

Part B

	Answer all questions	2Q x 16M = 32 Marks			
11.	(A) Explain the different applications of Natural Language Processing in healthcare and retails with suitable examples.	16	1	4	10
	(OR)				
	(B) State the different applications of Natural Language Processing in automobile and oil & gas with suitable examples.	16	3	5	14
12.	(A) State the workflow of Natural Language Processing	16	4	6	13
	(OR)				
	(B) Compare Text pre-processing, Text Representation & Feature Engineering with suitable examples	16	3	3	11

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DELHI-NCR CAMPUS, GHAZIABAD (U.P)

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

Test	: Internal Examination II	Date & Session : 26/09/2023 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	Explain ACID properties of RDBMS.	2	1	3	1
2	List any four python library for big data processing	2	1	4	1
3	List out the key elements of data dictionary.	2	1	4	3
4	Explain data staging.	2	1	3	4
5	List the benefits of data integration.	2	1	3	3
6	Describe DAG and RDD.	2	2	3	5
7	Explain In- memory computing.	2	2	3	3
8	Differentiate between data set level standard and parameter level standard.	2	2	3	3
9	Explain the reason why redshift is 10 times faster.	2	2	3	3

Part B

Answer all questions	2Q x 16M = 32 Marks			
11. (A) Discuss about data warehouse & also Compare traditional data warehouse with cloud data warehouse. List out its characteristics with architecture .	16	2	3	3
(OR)				
(B) Discuss about Amazon Redshift with its architecture. Also explain various features of redshift.	16	2	3	5
12. (A) Discuss about data mapping. why it is important? Explain the various method of data mapping.	16	2	3	3
(OR)				
(B)Explain the architecture of Apache Spark with its component. and also explain various advantages of spark over hadoop.	16	2	4	3

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DELHI-NCR CAMPUS, GHAZIABAD (U P)

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

Test   : Internal Examination II   Date & Session : 27/09/23 & FN
Course Code &Title :UJK20301T/ Universal Human Values   Duration: 60 Minutes
Year & Sem   :2nd & III   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 compassion.	2	1	1	1
2	"Honesty is the best policy", justify this statement.	2	2	4	1
3	How would you differentiate between sincerity and integrity?	2	2	3	3
4	Why relationship is important for human beings?	2	2	1	1
5	What is priority; does it often eclipse righteousness?	2	3	4	1
6	How to maintain righteousness? Explain with some examples.	2	1	3	2
7	What is empathy deficit disorder?	2	2	3	1
8	Enumerate the concept of peace.	2	2	4	1
9	How non-violence is tantamount to non-killing?	2	2	4	2

Part B

Answer all questions

2Q x 16M = 32 Marks

11.	(A) What are the pillars of non-violence; explain Martin Luther King's concept of non-violence.	16	3	3	1
	(OR)				
	(B) What will happen if people don't practice love and compassion? Explain it.		2	2	1
12.	(A)"May peace prevail on earth", justify this statement by showing how we can promote peace?	16	2	4	1
	(OR)				
	(B) Explain some characteristics of righteousness by throwing some light on famous figures in history and literature.		2	1	2