Shri Shankaracharya Institute of Professional Management & Technology
Department of Computer Science & Engineering

Class Test – II   Session- JULY –DEC, 2022 Month-January

Sem- 7th Sem(CSE)

Subject- Machine Learning

Code- D022711(022)

Time Allowed: 2 hrs   Max Marks: 40

Note: - All the questions are compulsory. Each question carries 8 marks.

Q.N.	Questions	Marks	Levels of Bloom's Taxonomy	COs
	PART I			
Q1	Point out and describe how does ROC curve work in machine learning explain with a suitable example.	[8]	Understanding	CO2
Q2	Explain in detail the inference methods involved in logistic regression model.	[8]	Understanding	CO2
Q3	State the mathematical formulation of the SVM problem. Give an outline of the method for solving the problem.	[8]	Applying	CO3
Q4	Illustrate Principal Component Analysis (PCA) and its process with its applications.	[8]	Applying	CO3
Q5	Write k-Nearest Neighbors algorithm and its application in Machine Learning.	[8]	Applying	CO3

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Class Test – II

Month-January-2023

Sem- CSE 7ᵗʰ(A&B) Subject- Data warehousing & Data Mining Code- D022712(022)

Time Allowed: 2 hrs   Max Marks: 40

Note: - Attempt any five Questions from Section "A",All carry equal marks.

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
	SECTION -A			
Q1	Explain the working of OLAP in data warehouse.	[08]	Understanding	CO3
Q2	Describe the physical design process of data warehouse.	[08]	Understanding	CO3
Q3	Define Data Mining. Make comparisons between data mining and data warehouse	[08]	Remembering	CO4
Q4.	Describe KDD process.	[08]	Understanding	CO4
Q5.	How would you demonstrate Apriori algorithm? Explain	[08]	Applying	CO4
Q6	Describe spatial mining.	[08]	Understanding	CO5

Shri Shankaracharya Institute of Professional Management & Technology
Class Test – II   Session- July-Dec, 2022 Month- Jan

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Department of Computer Science & Engineering
Sem- CSE 7th (A&B) Subject- Internet & Web Technology Code- D022713(22)
Time Allowed: 2 hrs   Max Marks: 40

Note: - All Questions are compulsory-

Q.N.	Questions	Marks	Levels of Bloom's Taxonomy	COs
A.	Define XML schema.	[8]	Understanding	CO3
B.	Demonstrate the working and feature of firewall.	[8]	Applying	CO4
C.	Discuss about AAA and different electronic data interchange.	[8]	Understanding	CO4
D.	Differentiate between XML and HTML.	[8]	Analyzing	CO3
E.	Describe various electronic payment systems.	[8]	Understanding	CO5

Note: -   ***Attempt any 5 questions and carries equal marks.***

Q.N.	Questions	Marks	Levels of Bloom's Taxonomy	Co's
Q1	Describe DNS Amplification attack with help of digram.	[8]	Understanding	CO3
Q2	Illustrate RACE Condition. Explain detection and prevention technique for race condition.	[8]	Understanding	CO3
Q3	Explain how attackers make use of SQL Injection.	[8]	Analyzing	CO3
Q4	Describe various types of Cyber Offence.	[8]	Understanding	CO4
Q5	Illustrate Amendments and Limitations of IT Act.	[8]	Remembering	CO4
Q6	Explain Cross Site Scripting and Denial of Services.	[8]	Understanding	CO3

Note: - All questions are compulsory.

Q. N.	Questions	Marks	Levels of Bloom's taxonomy	COs
A.	Analyze the data with both Hadoop and Unix tools.	[8]	Analyzing	CO3
B.	Discuss about the anatomy and working of Map Reduce.	[8]	Understanding	CO4
C.	Illustrate the different types of MapReduce and its formats	[8]	Applying	CO4
D.	Explain the main feature of HBase.	[8]	Understanding	CO5
E.	Describe in brief about Hive Shell, Hive Services and Hive Clients.	[8]	Analyzing	CO5