

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

Class Test – II Session- Jan– June, 2023 Month - December

Sem- CSE 7<sup>th</sup> [C] Subject- Machine Learning Code- D022711(022)

Time Allowed: 2 hrs

Max Marks: 40



*Note: - All questions are compulsory.*

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
Q1	Describe the Support Vector machine working procedure. “SVMs are often more accurate than logistic regression” – Give proper justifications.	[8]	Analyzing	CO3
Q2	Explain weighted K-nearest Neighbor algorithm.	[8]	Understanding	CO3
Q3	Describe the Life Cycle of K-Fold Cross-Validation with appropriate diagram.	[8]	Understanding	CO4
Q4	Discuss the difference and tradeoff between two factors of bias and variance.	[8]	Analyzing	CO4
Q5	Develop Gradient Boosting Algorithm.	[8]	Applying	CO4

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Class Test – II Session- July – Dec, 2023 Month-December

Sem- CSE 7<sup>th</sup>(A,B,C) Subject- Data Mining & warehousing Code- D022712(022)

Time Allowed: 2 hrs

Max Marks: 40



*Note: - Attempt all Questions & it's carry equal marks.*

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2	Describe Online Analytical Processing (OLAP) along with its advantages.	[8]	Analyse	CO3																																											
3	Explain Knowledge Discovery Database(KDD) in detail.	[8]	Understand	CO4																																											
4	Calculate the classes of insect instance to by training upon the following first nine data instance using k-nearest neighbour classification technique(k=3)	[8]	Apply	CO4																																											
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Class Test – II Session- July – Dec, 2023 Month- Dec

Sem- CSE 7<sup>th</sup> [A, B & C] Subject- Internet & Web Technology Code- D022713(022)

Time Allowed: 2 hrs

Max Marks: 40

*Note: - All Questions are compulsory*

Q.N.	Questions	Marks	Levels of Bloom's Taxonomy	COs
A.	Distinguish XML and HTML.	[8]	Analyz	CO3
B.	Describe XML schema & its application.	[8]	Understanding	CO3
C.	Discuss AAA and different electronic payment system.	[8]	Understanding	CO4
D.	Demonstrate the working and future of firewall.	[8]	Apply	CO4
E.	Describe TELNET with example.	[8]	Understanding	CO5



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Class Test – II Session- July – Dec, 2023 Month- Dec

Sem- CSE 7<sup>th</sup> [A, B & C] Subject- Internet & Web Technology Code- D022713(022)

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**Class Test – II Session- July – Dec, 2023 Month-December**  
 Sem: CSE 7<sup>th</sup> Section [A, B & C] Subject: Cyber Security Subject Code: D022732(022)

Time Allowed: 2 hrs.

Max Marks: 40

*Note: -All questions are compulsory.*

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
1.	Describe DoS (Denial of Service) condition technique to gain foothold.	[8]	Understand	CO3
2.	Illustrate how SQL injection can be useful and threatening as well.	[8]	Apply	CO3
3.	Describe the Network security provider's liabilities?	[8]	Understand	CO4
4.	Describe Cyber Crime and different types of cybercrime defined in IT act, 2000.	[8]	Understand	CO4
5.	Explain the following a. Intellectual Property law b. Trademark law.	[8]	Understand	CO5



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 Sem: CSE 7<sup>th</sup> Section [A, B & C] Subject: Cyber Security Subject Code: D022732(022)

Time Allowed: 2 hrs.

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Time Allowed: 2 hrs			Max Marks: 40	
<i>Note: - Attempt All Questions. All carry equal marks.</i>				
Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
Q1	Explain the principles behind CNNs. Illustrate the role of filters in CNN?	[8]	Understand	CO3
Q2	Short Notes:- a) Unfolded RNNs. b) Seq2Seq RNNs. c) LSTM (Long Short-Term Memory).	[8]	Understand	CO3
Q3	Differentiate between gradient descent and stochastic gradient descent?	[8]	Analyze	CO4
Q4	Apply one feature selection method with a suitable example.	[8]	Apply	CO4
Q5	Describe Speech Recognition and its steps.	[8]	Understand	CO5

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