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**SRM Institute of Science and Technology**

**College of Engineering and Technology**

**School of Computing**

**DEPARTMENT OF NETWORKING AND COMMUNICATIONS**

SRM Nagar, Kattankulathur – 603203, Chengalpattu District, Tamilnadu

**Academic Year: 2022-23 (EVEN) Batch 1**

**Test: CLAT-3**  **Date:** 09-05-2023

**Course Code & Title: 18CSC305J Artificial Intelligence**

**Duration:** 10 Minutes

**Year & Sem:** III / VI **Max. Marks:** 5

**Course Articulation Matrix (CAM)**

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| **Course Learning Outcomes (CLO)** | **At the end of this course, learners will be able to:** | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** | **PO 9** | **PO 10** | **PO 11** | **PO 12** |
| **CLO-5** | Design an expert system and implement natural language processing techniques | M | H | H | H | H | - | - | - | M | L | - | H |
| **CLO-6** | Implement advance techniques in Artificial Intelligence | L | H | M | M | H |  |  |  | H | L |  | H |

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| **Part – A**  **(5 x 1 = 5 Marks)**  **Answer all questions** | | | | | | |
| **Q. No** | **Question** | **Marks** | **BL** | **CO** | **PO** | **PI Code** |
| 1. | A student who prepares for the exam by considering the facts such as the number of days left for the exam, number of chapters to study, subject category, notes availability, priority given to the chapters, etc., What does the student really do in this scenario?   1. Identifying Constraints 2. Searching 3. **Planning** 4. Learning | 1 | BL1 | 4 | 1 | 1.1.1 |
| 2. | -------------- algorithm is used to represent non linear functions and efficient classification   1. Linear Regression 2. Logistic Regression 3. **Support Vector Machine** 4. Non Linear Regression | 1 | BL1 | 4 | 1 | 1.1.1 |
| 3. | Identify the type of learning which includes multiple nodes to scale larger data inputs   1. Supervised Learning 2. Ensemble Learning 3. **Distributed Learning** 4. Unsupervised Learning | 1 | BL2 | 5 | 2 | 2.1.2 |
| 4. | Recognize the type of ambiguity in the given sentence  “Ram loves his pet and Rama does too”   1. **Semantic** 2. Syntactic 3. Lexical 4. Pragmatic | 1 | BL1 | 5 | 2 | 2.1.2 |
| 5. | In Rule based systems ------------- algorithm is used to update, only the dynamic data during the compilation of rules.   1. Markov Algorithm 2. Mean End Analysis 3. **Rete Algorithm** 4. Matching Finding Algorithm | 1 | BL2 | 5 | 2 | 2.1.3 |