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| **SISTec Logo-Revised (1).png** | | **SAGAR INSTITUTE OF SCIENCE & TECHNOLOGY(SISTec)**  **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  **ASSIGNMENT-5** |
| **BRANCH** | **CSE** |
| **SESSION** |  |
| **NA NAME OF THE FACULTY:**  **SUBJECT/CODE :** | | |

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| Sr. No. | Enrollment No. | Set Number |
| 1 | 0187CE201038,40,76,95,0187cs201002,03 | SET-1 |
| 2 | 0187cs201004,05,06,07,09,10 | SET-2 |
| 3 | 0187cs201011,12,13,15,16, 17 | SET-3 |
| 4 | 0187cs201019,20,21,22,23,24 | SET-4 |
| 5 | 0187cs201025,26,27,28,29,30 | SET-5 |
| 6 | 0187cs201031,32,34,35,36,38 | SET-6 |
| 7 | 0187cs201039,40,41,43,44,45 | SET-7 |
| 8 | 0187cs201047,48,51,52,53,54 | SET-8 |
| 9 | 0187cs201055,56,58,59,60,61 | SET-9 |
| 10 | 0187cs201062,63,0536cs2012,14,41,60 | SET-10 |

**UNIT-5**

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| **Q No.** | **QUESTIONS** | **Bloom’s Taxonomy Level** | **Course Outcomes** |
| **SET 1** | | |  |
| **1.** | **Illustrate the concept of Maximum Likelihood. Also derive the expression for Bayes theorem.** | **4 (ANALYZE)** | **CO5** |
| **2.** | **Explain Bayesian belief network and conditional independence with example.** | **1(REMEMBERING)** | **CO5** |
| **3.** | **Compare the limitations of traditional machine learning techniques with respect to transfer learning.?** | **4 (COMPARING)** | **CO5** |
| **SET 2** | | |  |
| **1.** | **Illustrate the concept of Maximum Likelihood. Also derive the expression for Bayes theorem.** | **4 (ANALYZE)CO5** | **CO5** |
| **2.** | **How Bayesian Belief nets are designed? Also discuss various application** | **1(REMEMBERING)** | **CO5** |
| **3.** | **List the various application of Machine learning.** | **1(REMEMBERING)** | **CO5** |
| **SET 3** | | |  |
| **1.** | **Illustrate the concept of Maximum Likelihood. Also derive the expression for Bayes theorem.** | **4 (ANALYZE)CO5** | **CO5** |
| **2.** | **What are the advantages of using Naïve Bayes Classifier to solve the problem of super vised learning? Also derive the expression.** | **1(REMEMBERING)** | **CO5** |
| **3.** | **Examine Image Net competition.** | **4 (ANALYZING)** | **CO5** |
| **SET 4** | | |  |
| **1.** | **Illustrate the concept of Maximum Likelihood. Also derive the expression for Bayes theorem.** | **4 (ANALYZE)** | **CO5** |
| **2.** | **What are the limitations of logistic regression? Also illustrate how to design its cost function** | **1(REMEMBERING)** | **CO5** |
| **3.** | **Apply Deep Learning in the following areas:**   1. **Computer vision** 2. **Natural language processing** 3. **Speech recognition** | **3 (APPLYING)** | **CO5** |
| **SET 5** | | |  |
| **1.** | **Explain Bayesian belief network and conditional independence with example.** | **1(REMEMBERING)** | **CO5** |
| **2.** | **How Bayesian Belief nets are designed? Also discuss various application** | **1(REMEMBERING)** | **CO5** |
| **3.** | **Examine Image Net competition.** | **4 (ANALYZING)** | **CO5** |
| **SET 6** | | |  |
| **1.** | **Explain Bayesian belief network and conditional independence with example.** | **1(REMEMBERING)** | **CO5** |
| **2.** | **What are the advantages of using Naïve Bayes Classifier to solve the problem of super vised learning? Also derive the expression.** | **1(REMEMBERING)** | **CO5** |
| **3.** | **Apply Deep Learning in the following areas:**   1. **Computer vision** 2. **Natural language processing** 3. **Speech recognition** | **3 (APPLYING)** | **CO5** |
| **SET 7** | | |  |
| **1.** | **Explain Bayesian belief network and conditional independence with example.** | **1(REMEMBERING)** | **CO5** |
| **2.** | **What are the limitations of logistic regression? Also illustrate how to design its cost function** | **1(REMEMBERING)** | **CO5** |
| **3.** | **List the various application of Machine learning.** | **1(REMEMBERING)** | **CO5** |
| **SET 8** | | |  |
| **1.** | **How Bayesian Belief nets are designed? Also discuss various application** | **1(REMEMBERING)** | **CO5** |
| **2.** | **Why support vector machine is known as large margin classifier?** | **1(REMEMBERING)** | **CO5** |
| **3.** | **Compare the limitations of traditional machine learning techniques with respect to transfer learning.?** | **4 (COMPARING)** | **CO5** |
| **SET 9** | | |  |
| **1.** | **What are the advantages of using Naïve Bayes Classifier to solve the problem of super vised learning? Also derive the expression.** | **1(REMEMBERING)** | **CO5** |
| **2.** | **What are the limitations of logistic regression? Also illustrate how to design its cost function** | **1(REMEMBERING)** | **CO5** |
| **3.** | **Compare the limitations of traditional machine learning techniques with respect to transfer learning.?** | **4 (COMPARING)** | **CO5** |
| **SET 10** | | |  |
| **1.** | **What are the limitations of logistic regression? Also illustrate how to design its cost function** | **1(REMEMBERING)** | **CO5** |
| **2.** | **Why support vector machine is known as large margin classifier?** | **1(REMEMBERING)** | **CO5** |
| **3.** | **Examine Image Net competition.** | **4 (ANALYZING)** | **CO5** |