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| **P.V.P Siddhartha Institute of Technology (Autonomous)** |
| **Department of Computer Science and Engineering** |
| **Course: B.Tech** | **Year: IV** | **Semester: I** | **Descriptive: II** | **A.Y:2024-25** |
| **Subject Code: 20CS4701A** | **Subject Name: Deep Learning** | **Regulation:PVP20** |
| **Duration:****1 hr. 30 min** | **Maximum Marks:15 Marks** | **Date:****30-09-2024** | **Session: F.N** |
| **Answer all the Questions. Each Question carries 5 Marks 3×5M=15M** |
| **Q. No** |  | **Marks** | **CO** | **Level** |
| **1.** | **a)** | Identify the Efficient Convolutional Algorithms and explain with Examples. | **5** | **CO3** | **3** |
|  |
| **2.** | **a)** | Model the structure of LSTM component. | **3** | **CO3** | **3** |
| **b)**  | Compare Recurrent Networks and Recursive Networks | **2** | **CO4** | **4** |
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| **3.** | **a)** | Examine the primary objective of Deep Learning in Natural Language Processing (NLP)? How do deep neural networks handle complex language understanding tasks? | **5** | **CO4** | **4** |

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