

Jaypee University of Engineering & Technology, Guna

T-2(Even Semester 2023)

18B11CI933 – DEEP LEARNING

Maximum Duration: 1 Hour 30 minutes

Maximum Marks: 25

Notes:

1. This question paper has 4 questions.
2. Write relevant answers only.
3. Do not write anything on question paper (Except your Er. No.).

- | | Marks | CO No. |
|--|--------------|---------------|
| Q1. Based on your experiences with ChatGPT, compare it with traditional search engines, and highlight strengths and weaknesses of both. | [06] | CO5 |
| Q2. Write a python code using Tensorflow / Keras to demonstrate transfer learning in DNN. Write necessary comments to justify the purpose of each block of your code. | [07] | CO3 |
| Q3. Explain the challenges involved in minimizing the loss when the loss function is not convex. Which solution would you like to recommend for the same. | [06] | CO5 |
| Q4. For what problem Glorot and Bengio proposed a solution which made a significant contribution in the success of Deep Learning?
Show the mathematical expression for their approach. | [06] | CO4 |