

M24CS7.501:
Advanced Natural Language Processing

Mid Semester Exam

Sep 23, 2024

MM: 30

Time: 1.5 hrs

Note: Marks are mentioned next to the questions.

1. Explain how we can enable handling long distance dependencies in RNNs. [5 marks]
2. Why is attention needed in a sequence-to-sequence model? Explain with attention function description. [5 marks]
3. Describe the transformer encoder block in detail. [10 marks]
4. How does LoRA Finetuning approach differ from Adapters? Explain with architectures. [10 marks]