Foundation Models and Generative AI - Major Exam Grade Sheet

Academic Integrity Declaration and Student Details

I affirm that I have read and fully understood the instructions and policies for this examination. I pledge to adhere strictly to the rules of academic integrity. While I may use any available resources, all answers must demonstrate my own understanding and be written in my own words. I will not submit answers that are directly copied or generated by AI without synthesis and critical thinking.

Name: **Roll No:**

Student's Signature:

General Exam Grading Instructions

Key Information	Policy & Details
Academic Integrity	**STRICTLY FORBIDDEN** to copy answers directly from any source, including LLMs. All analysis and responses must be **synthesized and in the student's own words**. Copied content receives minimal/zero credit.
Evaluation	**Subjective** assessment based on rigor, technical depth, and completeness. The instructor's marking is final.
Re-evaluation	Requests are considered **ONLY** for counting errors or clearly missed answers. Disagreement with technical judgment is **not** grounds for re-evaluation.

Two part Exam: Part 1 (short answers) + Part 2 (long answers) **Time: 180 mins**

Total Exam Marks: 40 Points (10+30)

Part	Question / Topic	Sub-Part	Max Marks	Obtained Marks
I	**Short Answers (5 Questions)**		**10**	
I	Q1: Small Language Models (SLMs)		2	
I	Q2: Agentic AI		2	
I	Q3: Retrieval-Augmented Generation (RAG)		2	
I	Q4: LoRA and Efficient Fine-Tuning		2	
I	Q5: Machine Unlearning (MU)		2	
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II	**Long Analysis Questions (3 Questions)**		**30**	
II	**Q1: Research Paper in Context**		**12**	
II	Q1(a): Related Work Timeline	3		
II	Q1(b): Comparison Table	2		
II	Q1(c): Trajectory Analysis	3		
II	Q1(d): Ethical and Societal Implications	2		
II	Q1(e): Reproducibility Assessment	2		
II	Q1(f): Deployment Robustness	1		
	Q1 Sub-Total		**12**	
II	**Q2: Adversarial Prompting**		**10**	
II	Q2(a): Jailbreaking Strategy & Execution	3		
II	Q2(b): Technical Analysis of the Failure	4		
II	Q2(c): Proposing a Mitigation Strategy	3		
	Q2 Sub-Total		**10**	
II	**Q3: Designing a Rigorous Evaluation Metric**		**8**	
II	Q3(a): Problem Definition & Metric Design	3		
II	Q3(b): Justification and Comparison	3		
II	Q3(c): Implementation Strategy	2		
	Q3 Sub-Total		**8**	
	TOTAL PART I (Short Answers)		**10**	
	TOTAL PART II (Long Analysis)		**30**	
	Overall Exam Score		**40**	

Instructor's Signature: