**Answer All the questions.**

**Refer to the Bloom Tag for each questions.**

Level 1 – Remember: Recall of facts and basic concepts.

Level 2 – Understand: Explain ideas or concepts.

Level 3 – Apply: Use information in new situations.

Level 4 – Analyze: Draw connections among ideas.

Level 5 – Evaluate: Justify a decision or stance.

Level 6 – Create: Produce new or original work.

1. **Why is AI becoming increasingly relevant in the field of education and research today?**  
   **Give two major reasons and illustrate with a real-world example from your domain.** Bloom Level: Understand
2. **How can AI transform traditional teaching workflows in higher education?**   
   **Mention at least two workflows that can be redesigned or augmented using GenAI.** Bloom Level: Analyze
3. **You're tasked with improving student engagement in an online course.**  
   **Which AI features would you leverage to personalize learning for diverse students, and how would they enhance outcomes?** Bloom Level: Apply
4. **As a research coordinator, you aim to boost publication output and interdisciplinary collaboration.  
   Describe how GenAI can assist your faculty with literature review, idea generation, or data summarization.** Bloom Level: Apply
5. **Briefly differentiate between Machine Learning (ML) and Deep Learning (DL).  
   Then explain where NLP, NLU, and NLG fit in — using a real example from academic writing or feedback**. Bloom Level: Understand
6. Suggest **two possible applications of Computer Vision (CV) in educational settings (e.g., classrooms, remote proctoring, lab assessments).  
   What benefits and concerns should be considered?** Bloom Level: Apply
7. **Discuss two major ethical concerns in using AI-generated content in academic settings.  
   How would you address these concerns institutionally?** Bloom Level: Evaluate
8. What are **three best practices** **for writing effective prompts when using ChatGPT or similar tools in academic content creation?  
   Include one poorly designed prompt and its improved version.** Bloom Level: Create
9. **As an educator, you suspect a student’s submission may have been generated using an AI tool.**  
   **a) How can metrics like perplexity and burstiness help assess whether the content is likely AI-generated?  
   b) In such scenarios, why is it important to incorporate explainability tools before making academic integrity decisions?** Bloom Level: Analyze
10. **What is multimodal AI, and how does it extend the capabilities of traditional text-only models like GPT-3?**  
    **Provide two practical examples of how multimodal AI (e.g., GPT-4o or Gemini) can be used to enhance teaching or research workflows involving images, video, or documents.** Bloom Level: Apply/Analyze