

ASSIGNMENT – UNIT 3 (Math for AI)

Unit 3.1 – Importance of Math for AI

- Q1. How are Math and AI related?
- Q2. How is Maths (Statistics, Calculus, Linear Algebra, Probability) useful for Artificial Intelligence?
- Q3. What is Statistics? Explain any 5 applications of Statistics in AI.
- Q4. What is Probability? Explain Probability formula. Explain the ways in to express probability.
- Q5. Name some applications of probability in AI.

Also write 6 Questions given at the end of the Chapter.

ASSIGNMENT – UNIT 4 (GENERATIVE AI)

- Q1. What do you understand by Generative AI? How is Generative AI different from Conventional AI?
- Q2. Explain four types of Generative AI. Give some examples of Gen AI applications.
- Q3. What are the benefits and Limitations of using Gen AI.
- Q4. Name any 10 Gen AI tools.
- Q5. What are the potential negative impacts of AI on society?
- Q6. How to use Generative AI responsibly?

Also write 7 questions given at the end of chapter as Revision Time.