

KGUC

(NEP 2020)

Semester Exam October - 2025

Sub – Introduction to AIML Machine Learning

**Class: SYBAF
Semester - III**

**Marks: 30
Time: 1 hrs.**

Q1: Attempt any two (out of four) from following

(15)

- 1) What is AI. Explain Applications of AI.
- 2) Explain Simple Reflex Agents and Goal-Based Agents with an example.
- 3) What is informed Search Algorithms? Explain the Best First Search Algorithm with an Example.
- 4) What is a Problem-Solving Agent? Explain Problem Formulation with example.

Q 2 Attempt any two (out of four) from following.

(15)

- 1) Explain Unsupervised Machine Learning with the help of diagram.
- 2) What is ML. Explain the advantages and disadvantages of ML.
- 3) Explain the Machine Learning Process.
- 4) What is Concept learning. Explain Concept of Computational learning theory
