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## School of Engineering

B.TECH Electronics and Communication Engineering in Artificial Intelligence and Machine  
Mid Term Examination - Nov 2023

Duration : 90 Minutes  
Max Marks : 50

### Sem V - G2UD501T - Introduction of Artificial Intelligence

General Instructions

Answer to the specific question asked

Draw neat, labelled diagrams wherever necessary

Approved data hand books are allowed subject to verification by the Invigilator

- 1) Compare the fields that form the basis for AI. K2 (2)
- 2) Define Artificial Intelligence. K1 (3)
- 3) Interpret the Knowledge Based System. Explain. K2 (4)
- 4) Outline Informed & Uninformed search. Give examples. K2 (6)
- 5) Identify the concept of Game Playing. K3 (6)
- 6) Make use of four basic types of agent program in any intelligent system. Explain how did you convert them into learning agents. K3 (9)
- 7) Inspect PEAS. Explain different agent types with their PEAS descriptions and create real time applications. K4 (8)
- 8) Analyse in detail the properties of Task Environments. K4 (12)

**OR**

Analyse the minimax procedure have to be modified to be used by a program playing a three or four-person game rather than two –person one. K4 (12)