Special Assignment Questions Intelligent payort DIS What is the intelligent agent & in AI and a Where are they used? All Intellègent agent is a program or software that perceives (no observes) its environment through sensors, thenks intelligently and acts upon that environments through its articlose (to perform actions on the environment or produce output) · Example: Robotic agant Sersons: cameras, microphone, touchstraken Actuators: Motoris, speakers - Intelligent agents can be used for applications in dota mening a dota analytics to customer sexuace to support 929 Explain rational agents & rationality. Alt Rotford agents: A votford agents should select an action that is expected to maximise its performance measure, gover the evidence provided by the percept sequence & whotever buts , so in Knowledge the agent has Rationality at any gluen time deprole or 4 things: . The performance made was . The agents prior knowledge of the environment . The arthors that agent can perform-. The agents percept sequence to date

031 What does a whility-based agent do? Explain with proper diagram.

A31 The agent which are developed having their end users as building blocks are called utility based agents. When there are multiple possible alternotives, then to decide which one go best a willity based agents are used They choose actions based on a perepositive (utility) for each state- Utility descrubes how hoppy it the yests is A utility function maps & state onto a real number which describes the associated degree of hoppiness. Sereose Percept What woold is tibe now How would Engroment. What it will be if I do action A actions do > Thow hoppy UTILITY What oction should I donow Actuations Actions Agent





