Pranjal Bhatt Tu3F2223089 Bo30 Date: 1 Page No.: Q. | What is knowledge Based Agent? A knowledge - Based Agent (KBA) is an intelligent

system that make decision based on a structural

knowledge base These agent:

Stores knowledge about the world in knowledge

base o Utilize inference mechanism to devive new information.

Use logical resoning to make decrisions.

Knowledge Base Agent can be implemented at these A knowledge level I logical level

3) Implementation a level.

A knowledge love

1 is the most abstruct level of agent

implementation. The knowledge level describes agent by saying

what it knows. levels namely - That is what knowledge the agent has a initial knowledge B/Logical level -At the Kogical level, the knowledge is encoded to represent the knowbedge the agent has to byper of representing the have the prepositional logic. & first order or predicate logic. Supervisor's Sign.:\_\_\_\_

Q.16 Explain role of Robotio in AI with examples.

Robotics is a major application of AI. A robot is defined as an active agent whose environment is the physical world. Robots can be used in various fields

- · Manufacturing
- a Material handling
- · The medical field
- · The military

Example:

Areas where humans cannot reach or in life-threating conditions; robots can perform the required jobs ex the last generalish of trobots is equipped with performance advances be growing integration of vision to transform manufactioning

Roboties LAI. Sub-areas

National language processing; Extracting D

intermation using vision, speech recognition, perception to

inage formation

Neutal notwork: Useful for character recognition

Limage compression.

Fuzzy Logic: - Development of controllers