Answer to the Q. No.1

Based on the pencived environment an agent to executes some actions. But a nati Thee There may exists a set of action. Among them there's just one optimal, robust and the right legical action to execute. So a national agent is an intelligent agent that & can choose and execute a national on legical action from a set of actions based on pencieved enervironment.

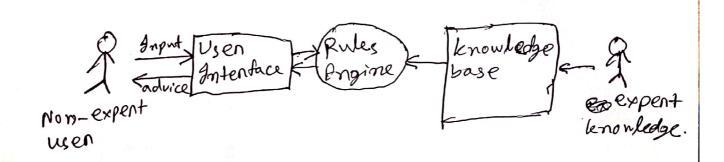
In Antificial intelligence on AI in short is a general term where it can be anything that a general term where it can be anything that a general term where it can be anything that a general term where intelligent. It includes can make a machine all the aspects like symbolic learning, Machine learning, Computer vision, NLP etc. A Madine learning is a sub field of AI of that takes a statistical approach to make decisions based on gained experience. Deep learning is a special sub-field of machine learning their takes a different approach to make machine a different approach to make machine the intelligence by mimiking. In the light intelligence the intelligence.

Answer to the Q-No-2

A knowledgement based system that can give centain expenties is called an expent system. Like For example we can think of tumon detectors. These detectors has knowledge about all the tumons so when when a new X-Ray can comes these detectors can detect the presence of tumon thus thus provide presence of tumon their clar detection assists doctors with their clar detection expenties.

There are three main building blocks of an expent system.

- 1) Knowledge base that e is the database of the system. helps
- 2) Intenface engine, to interact
- 3) Usen intenface, so to intenact with usen and provide we expenties



Answer to the Q.NO.3 (a)

PEAS is penformance measu, Environment, Actuatory, sensons. So PEAS for Bleep Blue Deep Blue is given below:

- i) Penformance wessures: Winning the game
- ii) Environment : Chess board, Rival
- iii) Actuators : Screens
- ir) Sensons : Camera, Keyboard.

Answer to the Q.NO.3(5)

Deep the is a goal based learning agent that has the properties of:

- i) fully observable cause if ear about observe full state via sensors.
- ii) Deterministic; cause it com select it's next stage
- iii) sequential, cause it uses sequential approach to solve.
- iv) single agent cause it is the only wontains agent
- v) Dynamic cause the environment of the board is continously changing.

vi) Discrete comse there are finite number of chess moves.

viî)