Class X

Artificial Intelligence (417)

Chapter- Introduction to Artificial Intelligence

Assignment

Q 1- Multiple Choice questions

1. The component of an Expert system is_____.

    a. Knowledge Base

    b. Inference Engine

    c. User Interface

    d. All of the above

2. An AI agent perceives and acts upon the environment using____.

    a. Sensors

    b. Perceiver

    c. Actuators

    d. Both a and c

3. The PEAS in the task environment is about_____.

    a. Peer, Environment, Actuators, Sense

    b. Performance, Environment, Actuators, Sensors

    c. Perceiving, Environment, Actuators, Sensors

    d. None of the above

4. Web Crawler is an example of_____.

    a. Intelligent Agent

    b. Problem-solving agent

    c. Simple reflex agent

    d. Model-based agent

5. The best AI agent is one which_____

    a. Needs user inputs for solving any problem

b. Can solve a problem on its own without any human intervention

c. Need a similar exemplary problem in its knowledge base

d. All of the above

Q 2:- Short Ques/Ans

a. Write some popular AI apps and tools.

b. How does learning and adapting help an AI machine in improvising itself?

c. How can AI be integrated with non-AI technologies? Explain with the help of an example.

d. How intelligent robots are helping us in accomplishing dangerous jobs?

e. How AI helps in giving you personalized experience online?