

Class-VIII

Sub:-Artificial Intelligence

Chapter 4 – Possibilities

Q1. Give two examples of how Artificial Intelligence can change the healthcare industry in the coming future.

Ans1.

i) AI-assisted diagnosis:

The AI-assisted diagnosis systems will help doctors in making better and more accurate diagnose of the patients.

ii) AI-assisted personalized treatment:

Artificial Intelligence systems of the future will allow health care professionals to design personalized treatment plans for each of the patients.

Q2. Give two examples of AI Automation changing our lives.

Ans2.

i) Significant reduction in specific jobs:

The advancement in AI technologies will slowly replace all of the jobs that can be better performed by the AI systems.

ii) Self-driving vehicles:

AI Automation is leading to the development of self-driving vehicles. Even elderly people will be able to use these vehicles unattended, i.e., there will be no need for family members or attendants to drive them around.

Q3. Write a short note on the career of Data Scientists.

Ans3.

The scientists working with data are known as data scientists. They collect, analyse, and draw interpretations from huge datasets.

THE SKILL SETS REQUIRED FOR THIS JOB INCLUDES :

i) Knowledge of big data platforms like Hive, Hadoop, MapReduce, etc.

ii) Knowledge of statistical computing and programming languages like Perl and Python.

iii) Strong analytical and communication skills.

Q4. Write about two current AI research trends.

Ans4.

i) Learning systems:

The current AI trends are towards the development of systems that can learn by themselves.

ii) Common sense reasoning:

One of the current AI research trends is towards creating Artificial Intelligent Systems, which will be capable of common sense reasoning.

Q5. Write a short note on situational awareness of the AI systems.

Ans5.

The situational awareness deals with understanding the situation so that the relevant information is provided to the user. AI systems have access to a massive amount of data. The challenge is to take out the relevant information and discard the rest.

