

Worksheet

Name:
Roll No: Class: Section:
Date:

EVOLUTION OF AI

Chapter-1

A. Tick (✓) the correct option.

1. Who created The Bombe?

a. John McCarthy

☐

b. Alan Turing

☐

c. Joseph Weizenbaum

☐

d. Ichiro Kato

☐

2. In which of the following year, ELIZA was created?

a. 1962

☐

b. 1964

☐

c. 1966

☐

d. 1970

☐

3. Which of the following was the first step towards building a humanoid robot?

a. The Bombe

☐

b. ELIZA

☐

c. WABOT

☐

d. Deep Blue

☐

4. Deep Blue was created by

a. Google

☐

b. IBM

☐

c. Honda

☐

d. Samsung

☐

B. Fill in the blanks with the hints given below:

Hints: Alan Turing, ASIMO, Roomba, 2009, WABOT-2

1. submitted a paper about the possibility of creating a machine that could think in 1950.

2. was capable of playing a piano.

3. Honda released, an artificial humanoid robot in 2000.

4. In 2002, i-Robot released

5. Google developed a driverless car in

Worksheet

Name:

Roll No: Class: Section:

Date:

AI-TERMINOLOGIES

Chapter-2

A. Tick (✓) the correct option.

1. Which of the following can be training data?

- | | | | |
|-----------|--------------------------|-----------------|--------------------------|
| a. Text | <input type="checkbox"/> | b. Images | <input type="checkbox"/> |
| c. Videos | <input type="checkbox"/> | d. All of these | <input type="checkbox"/> |

2. Who is known as the father of Artificial Intelligence?

- | | | | |
|------------------|--------------------------|-----------------|--------------------------|
| a. John McCarthy | <input type="checkbox"/> | b. Alan Turing | <input type="checkbox"/> |
| c. Allen Newell | <input type="checkbox"/> | d. All of these | <input type="checkbox"/> |

3. is a subset of artificial intelligence.

- | | | | |
|---------------------|--------------------------|------------------|--------------------------|
| a. Machine learning | <input type="checkbox"/> | b. Deep learning | <input type="checkbox"/> |
| c. Human learning | <input type="checkbox"/> | d. None of these | <input type="checkbox"/> |

4. Based on the training data the AI-enabled machine predicts the output from the

- | | | | |
|-----------------|--------------------------|------------------|--------------------------|
| a. Trained data | <input type="checkbox"/> | b. Test data | <input type="checkbox"/> |
| c. Main data | <input type="checkbox"/> | d. None of these | <input type="checkbox"/> |

B. Fill in the blanks with the hints given below:

Hints: Training data, Expert systems, Machine learning, Machine, Algorithm

- are computer systems that are designed to emulate the thought process of a human being.
- The common method of using a is to operate it manually using buttons or touch.
- allows a machine to predict more accurate results without being explicitly programmed to do so.
- A set of rules or instructions given to an AI machine is known as
- Through, an AI model learns to perform its task with high level of accuracy.

Worksheet

Name:
 Roll No: Class: Section:
 Date:

AI IN POPULAR APPS

Chapter-3

A. Tick (✓) the correct option.

- Which of the following companies developed Cortana?

a. Apple	<input type="checkbox"/>	b. Google	<input type="checkbox"/>
c. Microsoft	<input type="checkbox"/>	d. Samsung	<input type="checkbox"/>
- Which of the following was first used in Amazon Echo and Amazon Dot smart speakers?

a. Siri	<input type="checkbox"/>	b. Alexa	<input type="checkbox"/>
c. Google assistant	<input type="checkbox"/>	d. Smart home	<input type="checkbox"/>
- Which of the following is an online mapping platform?

a. Google assistant	<input type="checkbox"/>	b. Google map	<input type="checkbox"/>
c. Google home	<input type="checkbox"/>	d. YouTube	<input type="checkbox"/>
- has been using AI to improve its orders and delivery.

a. Practo	<input type="checkbox"/>	b. Google Maps	<input type="checkbox"/>
c. Siri	<input type="checkbox"/>	d. Swiggy	<input type="checkbox"/>

B. Fill in the blanks with the hints given below:

Hints: Cortana, Deep learning, Google Assistant, Netflix, Swiggy

- is primarily available on mobile and smart home devices such as smartphones, smart speakers, etc.
- is a home to numerous movies and web series at a nominal charge.
- is operating in 100 different cities in the country.
- is still accessible on windows platform not as an application but as a feature.
- techniques will provide machine to perform high-level thoughts, image recognition, etc.

Worksheet

Name:
 Roll No: Class: Section:
 Date:

SUSTAINABLE DEVELOPMENT GOALS (SDGs)

Chapter-4

A. Tick (✓) the correct option.

1. How many SDGs are laid by the United Nations 2030 Agenda?

a. 15

☐

b. 16

☐

c. 17

☐

d. 18

☐

2. Which of the following goals aims to achieve gender equality and empower all women and girls?

a. Goal 1

☐

b. Goal 2

☐

c. Goal 4

☐

d. Goal 5

☐

3. Which of the following goals aims to reduce inequalities within and among countries?

a. Goal 10

☐

b. Goal 12

☐

c. Goal 14

☐

d. Goal 15

☐

4. Which of the following goals aims to promote green environment and protect natural heritage?

a. Goal 10

☐

b. Goal 11

☐

c. Goal 12

☐

d. Goal 13

☐

B. Fill in the blanks with the hints given below:

Hints: Natural resources, 15, Desertification. 8

- Goalpromotes sustained, inclusive and sustainable economic growth.
- Goal 12 aims to achieve efficient use ofand reduce global food waste at retail and consumer level.
- Goal aims to reduce water pollution and protect and restore ecosystems.
- Goal 15 aims to combat

Worksheet

Name:
 Roll No: Class: Section:
 Date:

PARTS OF ROBOTS

Chapter-5

A. Tick (✓) the correct option.

- Which of the following is just like a human arm?

a. Wrist	<input type="checkbox"/>	b. Manipulator	<input type="checkbox"/>
c. Elbow	<input type="checkbox"/>	d. None of these	<input type="checkbox"/>
- Which of the following locomotive devices are noiseless and easy to program?

a. Electric	<input type="checkbox"/>	b. Hydraulic	<input type="checkbox"/>
c. Pneumatic	<input type="checkbox"/>	d. All of these	<input type="checkbox"/>
- Which of the following is/are categories of end effectors?

a. Manipulator	<input type="checkbox"/>	b. Fingers	<input type="checkbox"/>
c. Grippers	<input type="checkbox"/>	d. None of these	<input type="checkbox"/>
- Which of the following locomotive devices are used in heavy machinery?

a. Electric	<input type="checkbox"/>	b. Hydraulic	<input type="checkbox"/>
c. Pneumatic	<input type="checkbox"/>	d. Manipulator	<input type="checkbox"/>

B. Write T for true and F for false.

- Robots are mechanical devices.
- Emotions and feelings are the domains of robots.
- There are mainly two categories of end effectors.
- Cameras allow a robot to construct a visual picture of its background.
- Microphones in some robots are used to sense temperature.