

Worksheet

1

Name:

Roll No: Class: Section:

Date:

AI INVENTIONS

Chapter-1

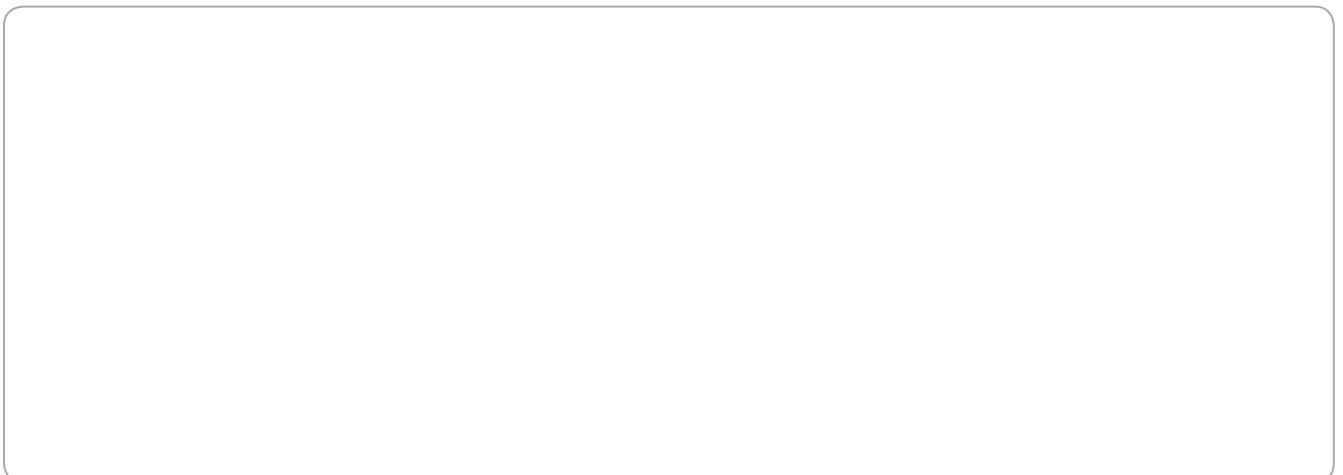
A. Write T for true and F for false.

1. AI is one of the most revolutionary inventions of human history.
2. LOVOT can remember up to 2,000 people.
3. Meeting Owl can be used with Google Meets.
4. Kuri plays the role of security in your home and entertaining members of your family.
5. Kuri plays the role of multi-purpose assistance like Amazon Echo.

B. Answer the following questions:

1. How Embodied Moxie helps children?
.....
2. What are the components of Meeting Owl?
.....
3. What is the role of Kuri in your home?
.....

C. Draw and colour your favourite robot.



Worksheet

2

Name:

Roll No: Class: Section:

Date:

AI INVENTIONS

Chapter-1

A. Match the following robots with their names:



a. Kuri



b. Meeting Owl



c. Embodied Moxie



d. LOVOT

B. Read the clue and write the names of the robots in the space provided.

1. It has a camera with a 360-degree view.

.....

2. This budding robotic tool helps improve the physical health of the children with activities like breathing and guided meditation to help develop emotion and self-regulation skills.

.....

3. It can make an accurate scan of an entire room and find its owner immediately.

.....

4. It plays the role of security in your home.

.....

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HUMAN VS. MACHINE INTELLIGENCE

Chapter-2

A. Answer the following questions:

1. What is Artificial Intelligence?

.....

2. Write about any two types of intelligence.

.....

3. Write any two capabilities of Artificial Intelligence.

.....

4. Write any two similarities between humans and machines.

.....

5. How can you say that a machine or a system is artificially intelligent?

.....

B. Read the following sentences and write "H" for human intelligence and "A" for artificial intelligence in the boxes.

1. Apply logic and reason to solve mathematical problems.

2. Learning from experience and historical data.

3. Make inferences and decisions.

4. Recognise patterns.

5. Communicate with other human beings through different parts of the body.

6. Recognise faces and objects.

Worksheet

2

Name:

Roll No: Class: Section:

Date:

HUMAN VS. MACHINE INTELLIGENCE

Chapter-2

A. Write T for true and F for false.

1. The ability to learn by doing, exploring and discovering is a form of intelligence.
2. Understand complex concepts is an artificial intelligence.
3. Both human and machines have memories to store information.
4. Humans are social by nature.
5. Humans use natural language processing for conversation.

B. Write the differences between human intelligence and artificial intelligence:

.....

.....

.....

.....

.....

.....

.....

.....

C. Match the following:

- | | |
|--|----------------------------|
| 1. Created by nature | a. movie with AI |
| 2. Lack social skills | b. forms of intelligence |
| 3. Terminator | c. Human intelligence |
| 4. The ability to learn by doing, exploring and discovering. | d. Artificial intelligence |

Worksheet

1

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HOW AI WORKS IN DIFFERENT APPLICATIONS

Chapter-3

A. Write T for true and F for false.

1. Before the invention of OCR, converting physical text documents to digital was done manually.
2. Face recognition is the ability of a machine or program to identify words spoken aloud and convert them into readable text.
3. Speech recognition is being used for searching information on Google.
4. Speech recognition systems can capture speech slower than we type.
5. AI-enabled face recognition applications are also used in various social media applications to add different types of filters on faces.

B. Answer the following questions:

1. What is OCR?
.....
2. What are the benefits of AI-powered OCR?
.....
3. Write the name of any five virtual assistants.
.....
4. Mention any two areas where AI-powered speech recognition is being used.
.....
5. What is face recognition?
.....
6. Write any two benefits of the AI-powered face recognition systems.
.....

Worksheet

2

Name:

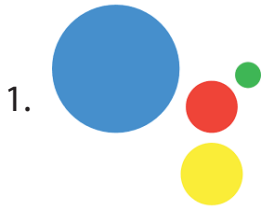
Roll No: Class: Section:

Date:

HOW AI WORKS IN DIFFERENT APPLICATIONS

Chapter-3

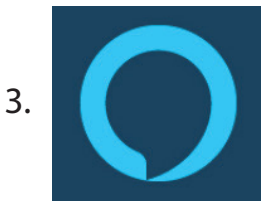
A. Match the following virtual assistants with their names:



a. Cortana



b. Alexa



c. Google assistant



d. Siri

B. Write T for true and F for false.

1. With the use of AI, some of the technologies become very powerful.....
2. AI is playing an important role in the effectiveness of OCR.
3. Apple's Siri is an example of face recognition technology.
4. Mainly, five steps are involved in face recognition technology.
5. Speech recognition is being used for students who are blind or having low vision.

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LATEST ROBOTS

Chapter-4

A. Answer the following questions:

1. What are security robots?

.....

2. What is RoboThespian?

.....

3. What is Aeolus?

.....

4. What is Paro?

.....

B. Write T for true and F for false.

1. Military Robots are deployed in places or situations that are too dangerous for humans.

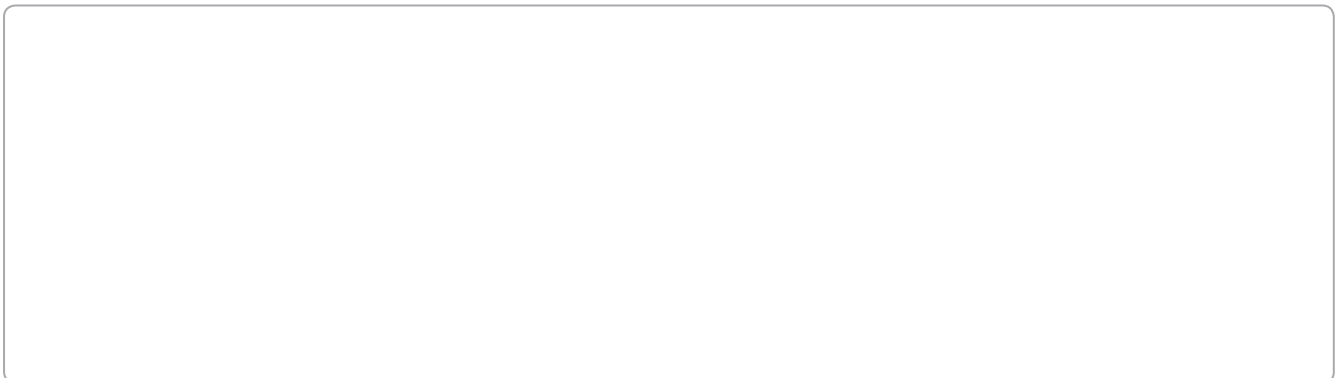
2. Industrial robots are designed to look like people.

3. Sophia is the first humanoid to receive the citizenship of a country.

4. Leka helps children better understand social and visual signs.

5. Aeolus is capable of delivering food.

C. Draw and colour the picture of your favourite robot.



Worksheet

2

Name:

Roll No: Class: Section:

Date:

LATEST ROBOTS

Chapter-4

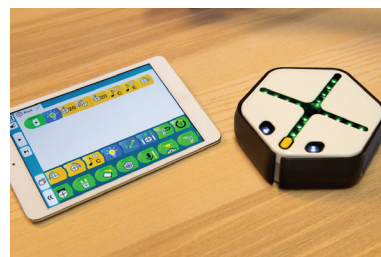
A. Write the name of the following:

1.



.....

2.



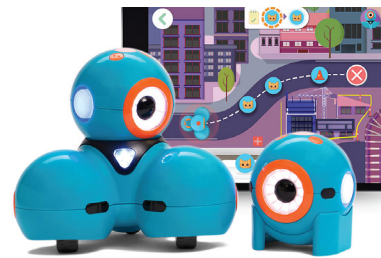
.....

3.



.....

4.



.....

B. Name the following robots:

1. These robots are capable of operating in space.

.....

2. They are used to perform various service related tasks.

.....

3. This humanoid has improved and natural walkability.

.....

4. Its appearance is similar to a baby harp seal.

.....

5. They are a pair of robot "friends."

.....

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FIELDS WHERE ROBOTS ARE USED

Chapter-5

A. Tick (✓) the correct option.

- has camera to spy on the activities of the enemy.

a. MAARS	<input type="checkbox"/>	b. DOGO	<input type="checkbox"/>
c. Odaiba	<input type="checkbox"/>	d. SDA5	<input type="checkbox"/>
- is a lunar robot.

a. DARPA	<input type="checkbox"/>	b. R1	<input type="checkbox"/>
c. R2	<input type="checkbox"/>	d. RASSOR	<input type="checkbox"/>
- Which of the following is designed to transport potted plants in greenhouse settings and outdoor?

a. Merlin	<input type="checkbox"/>	b. RV-100	<input type="checkbox"/>
c. Thorvald	<input type="checkbox"/>	d. Root AI	<input type="checkbox"/>
- can slice noodles from piece of dough and toss them into boiling water.

a. Suzumo Sushi	<input type="checkbox"/>	b. Junko Chihira	<input type="checkbox"/>
c. Cui Runguan	<input type="checkbox"/>	d. Unimate	<input type="checkbox"/>

B. Write T for true and F for false.

- Material handling robots are used to move, pack and select products.
- Human-like Robots are used in the fields of customer services.
- Surgical robots can cook complete meals for you.
- Robots are assisting movie directors in the film making process.
- Odaiba is a master chef robot.

Worksheet

2

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Roll No: Class: Section:

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FIELDS WHERE ROBOTS ARE USED

Chapter-5

A. Answer the following questions:

1. What are the biggest advantages of Military robots?

.....

2. Write any two uses of robots in customer service.

.....

3. What are Shipwreck Robots?

.....

4. What are the uses of robots in entertainment?

.....

5. Write the name of any four agricultural robots.

.....

B. Match the following:

1. Surgical robots

a. is a culinarily savvy robot.

2. Predator drone

b. was the first humanoid robot sent to space as a part of STS-133 mission.

3. Junko Chihira

c. are able to launch missiles at ground target without a pilot.

4. Motoman SDA5

d. are also used as prosthetic limbs.

5. Robonaut 2 or R2

e. in Japan works in the tourist information centre.