

## Worksheet

Name: .....

Roll No: ..... Class: ..... Section: .....

Date: .....

### AI INVENTIONS

### Chapter-1

#### A. Tick (✓) the correct option.

1. Meeting Owl can be used with.....

a. Zoom

☐

b. Webex

☐

c. Google Meets

☐

d. All of these

☐

2. You will find yourself relaxing and feeling better when you touch .....

a.


☐

b.


☐

c.


☐

d.


☐

3. .... plays the role of security in your home.

a.


☐

b.


☐

c.


☐

d.


☐

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

**Hints:** LOVOT, Embodied Moxie, Video conferencing, Kuri

1. .... capture clips of your day with its sensor-enabled cameras.

2. You will find yourself relaxing and feeling better when you touch .....

3. .... is a robot that was released in April 2020.

4. Meeting Owl is a robotic owl made especially for .....

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### HUMAN VS. MACHINE INTELLIGENCE

#### Chapter-2

#### A. Tick (✓) the correct option.

1. Which of the following is/are the forms of intelligence?
  - a. The ability to understand and use spoken and written language. ☐
  - b. The ability to think logically, reason, and identify connections. ☐
  - c. The ability to learn by doing, exploring and discovering. ☐
  - d. All of these ☐
2. .... have a natural tendency of understanding a situation and take actions accordingly.
 

|                                      |   |
|--------------------------------------|---|
| a. Machines <input type="checkbox"/> | b. Humans <input type="checkbox"/>        |
| c. Robots <input type="checkbox"/>   | d. None of these <input type="checkbox"/> |
3. Which of the following is/are correct about Artificial Intelligence?
 

|  |   |
|--|---|
| a. Created by nature <input type="checkbox"/>  | b. Capable of adapting changes <input type="checkbox"/> |
| c. Lack social skills <input type="checkbox"/> | d. All of these <input type="checkbox"/>                |

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

**Hints:** Cameras, human, High speed, Natural language processing

1. Humans use eyes for vision, whereas machine use .....
2. Machine use ..... for conversation.
3. .... has the capacity of multi-tasking.
4. Artificial Intelligence process information with .....

#### C. Write T for true and F for false.

1. A machine or a system is artificially intelligent when it is equipped with at least one form of intelligence. ....
2. Humans understand complex concepts. ....
3. Machines have emotions like self-awareness. ....
4. Just like people, machine can learn too. ....

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### HOW AI WORKS IN DIFFERENT APPLICATIONS

#### Chapter-3

#### A. Tick (✓) the correct option.

- OCR stands for .....
  - Optical Card Recognition ☐
  - Optical Character Recognition ☐
  - Original Character Recognition ☐
  - Online Character Recognition ☐
- In ....., AI-paired OCR technology is used to scan a cheque from the front and back.
  - factory ☐
  - bank ☐
  - school ☐
  - hospital ☐
- Which of the following is a virtual assistant for Android phones?
  - Siri ☐
  - Cortana ☐
  - Google Assistant ☐
  - Alexa ☐
- How many steps are involved in speech recognition?
  - One ☐
  - Two ☐
  - Three ☐
  - Four ☐

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

**Hints:** Face recognition, Robots, Face lock, Google docs, 95%

- ..... use OCR to scan barcodes in the warehouses and find stock.
- The accuracy of conversion of speech recognition has almost reached .....
- Speech recognition is being used for writing emails, composing documents on .....
- One of the most famous examples of face recognition technology is ..... in a smartphone.
- ..... is used in criminal identification.

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## LATEST ROBOTS

### Chapter-4

#### A. Tick (✓) the correct option.

1. Vacuum cleaners are type of .....

a. Medical Robots

☐

b. Domestic Robots

☐

c. Security Robots

☐

d. Military Robots

☐

2. NASA's Robonaut is an example of ..... robot.

a. Disaster Response

☐

b. Aerospace

☐

c. Humanoid

☐

d. Industrial

☐

3. Nao can speak and understands .....

a. Japanese

☐

b. English

☐

c. Chinese

☐

d. All of these

☐

4. Which of the following robots is claimed to have the skills of a master chef?

a. Moley Robotic Kitchen

☐

b. Aeolus

☐

c. Paro

☐

d. Zenbo

☐

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

**Hints:** Root, Paro, Robotics, T-HR3, Saudi Arabia

1. .... is a branch of engineering and science that deals with the design, construction and functioning of robots.

2. .... is a humanoid that mimics the movement of its human operator.

3. In October 2017, she became a citizen of .....

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

5. .... is a robot with the objective of helping you learn coding.

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### FIELDS WHERE ROBOTS ARE USED

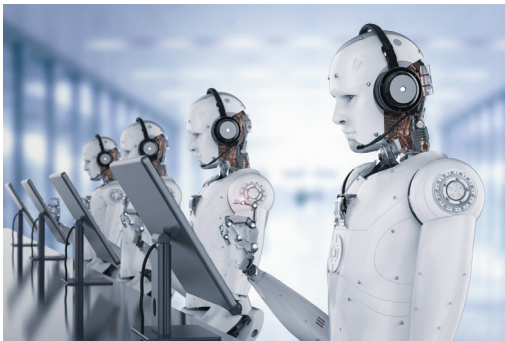
#### Chapter-5

#### A. Fill in the blanks with the hints given below:

**Hints:** DARPA, Nadine, Root AI, MAARS, ArcWielding

1. .... was a robot welding machine brought to use in 1980s.
2. .... looks like a tank and it contains tear gas and lasers to confuse enemies.
3. ...., a humanoid robot in Singapore can recognise people from the database of their previous visits.
4. .... is a humanoid robot that can function like humans.
5. .... is a tomato picking robot.

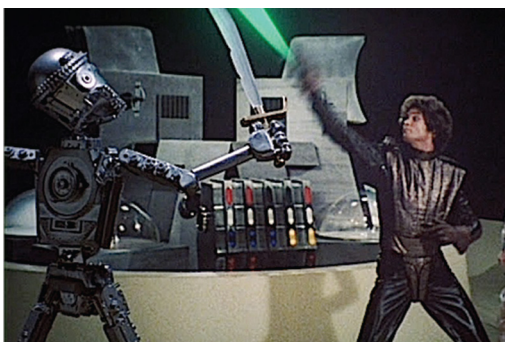
#### B. Identify the following robots and write the names of the fields to which they belong.



1. ....



2. ....



3. ....



4. ....