



# SANGFORD SENIOR SECONDARY SCHOOL

CLASS: IX SUBJECT: ARTIFICIAL INTELLIGENCE

TOTAL MARKS: 80 DURATION: 3 Hrs EXAM NO: 00IXAI01EXPRE

INVIGILATOR'S SIGNATURE : \_\_\_\_\_

STUDENT NAME: \_\_\_\_\_ DATE: \_\_\_\_\_



## ARTIFICIAL INTELLIGENCE

### SECTION A MULTIPLE CHOICE QUESTIONS 10\*1=10

- The idea of "The Imitation Game" was proposed by \_\_\_\_\_  
a. John McCarthy    b. Herbert Simon    c. Allan Turing    d. Rossum
- A humanoid robot known as the first "Robot Citizen" is called \_\_\_\_\_  
a. Sophia    b. Clarke    c. Roomba    d. Eliza
- The first industrial robot to work on a General Motors assembly line is \_\_\_\_\_  
a. Roomba    b. Eliza    c. Unimate    d. Kismet
- Who coined the term "Artificial Intelligence" ?  
a. John McCarthy    b. Herbert Simon    c. Allen Newell    d. Allan Turing
- The first general purpose mobile robot, also called the 'first electronic person' is \_\_\_\_\_  
a. David    b. ASIMO    c. Unimate    d. Shakey
- Which company has launched 'ECHO' an AI enabled product?  
a. Google    b. Philips    c. Amazon    d. Samsung
- Name the technology that uses electromagnetic fields to automatically identify and track tags attached to objects.  
a. RFID    b. RDIF    c. FIDR    d. MICR
- Which of the following company is working on driverless car?  
a. Tesla    b. Ampere    c. Joule    d. Amazon
- A technology used in unmanned vehicles like self-driving cars and drones is called \_\_\_\_\_  
a. Hybrid Technology    b. Artificial Intelligence

c. Space Technology d. Solid State Intelligence

10. AI has enabled various song and music apps to recommend which of the following to the users?

a. Best Music Director b. Song list based on the user's choice

c. Duration of a song d. Singer of a song.

**SECTION B. FILL IN THE BLANKS:**

**10\*1=10**

1. Samsung's virtual assistant, Bixby's functions include \_\_\_\_\_,  
\_\_\_\_\_, \_\_\_\_\_

2. Honda released \_\_\_\_\_ an artificially intelligent humanoid robot in the year 2000.

3. The first anthropomorphic intelligent robot was called \_\_\_\_\_ with its full form as \_\_\_\_\_

4. The creator of a computer language called 'LISP' is \_\_\_\_\_

5. A program that is used to detect unsolicited and unwanted email and prevent those messages from getting to user's inbox is \_\_\_\_\_

6. The first widely-used commercial form of AI that is being used in popular products like ovens, washing machines is \_\_\_\_\_

7. Richard Wallace developed the chatbot \_\_\_\_\_

**SECTION C. VERY SHORT ANSWER QUESTIONS**

**5\*3=15**

1. Describe Unimate, the industrial robot

2. What was achieved by IBM'S Deep Blue?

3. What is AI winters.

4. Explain Spam filter.

5. Mention some limitations of Artificial Intelligence.

**SECTION D. ANSWER IN BRIEF**

**3\*5=15**

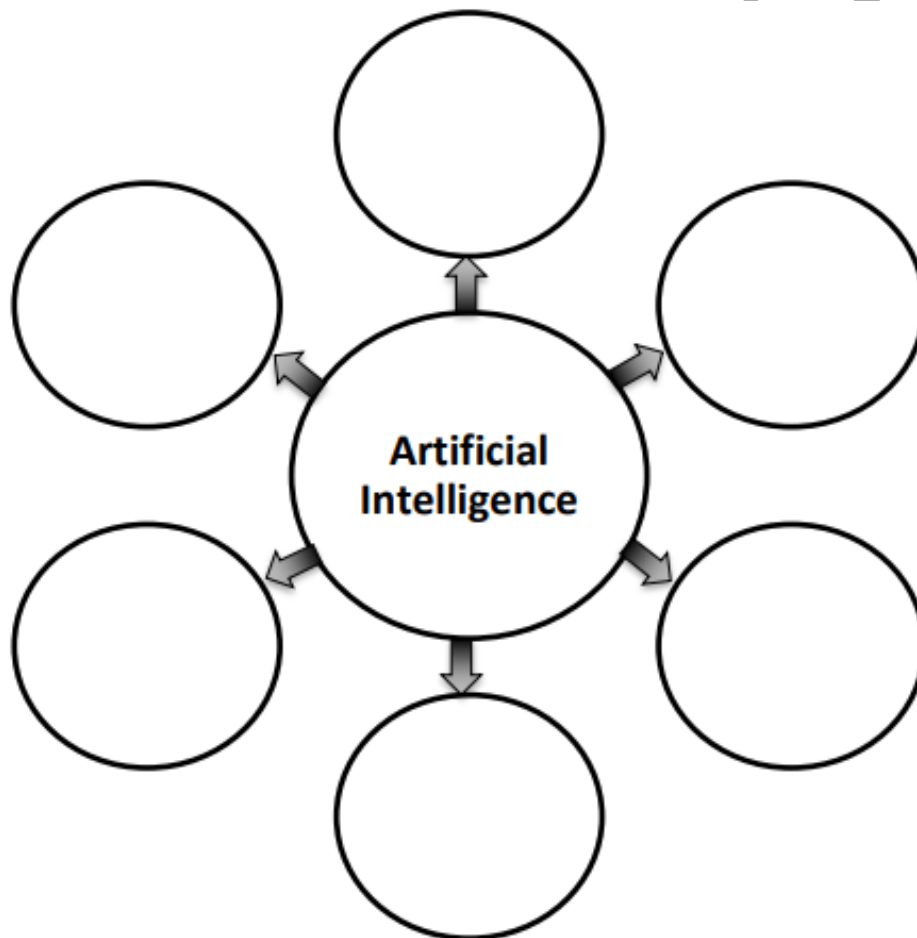
1. Mention some of the skills required for Artificial Intelligence related jobs by 2030.

2. Give any three advantages and disadvantages of AI.

3. Differentiate between Narrow AI and General AI.

**SECTION E. AI PROJECT SHOWCASE 2 x 15 = 30 Marks**

1. How do you think Artificial Intelligence can help you as you go about your daily life? Fill in your ideas below:



2. Have you experience with any AI device like Alexa, Siri/iphone, or any automation device? Write down any three? What are the languages support AI applications?