



B. K. BIRLA CENTRE FOR EDUCATION, PUNE

(SENIOR SECONDARY CO-ED DAY CUM RESIDENTIAL SCHOOL, AFFILIATED TO CBSE NEW DELHI)

ANNUAL EXAMINATION (2024-25)

ARTIFICIAL INTELLIGENCE



Class : IV

Date :21-03-2025

MARKING SCHEME

Duration : 1.30 Hours

Max. Marks : 40

1. Multiple Choice Questions.(Answer any 4 of 5).

4 x 1 = 4 Marks

- i. Artificial Intelligence is a process of putting intelligence in robots through.....
 - a. **Programming**
 - b. Reasoning
 - c. Thinking
- ii. Robots which are used in manufacturing industries are called.....Robots.
 - a. Manufacturing
 - b. Working
 - c. **Industrial**
- iii.is an educational humanoid robot.
 - a. **Nao**
 - b. Da Vinci
 - c. SCARA
- iv.is a driverless vehicle which are available 24/7.
 - a. Roomba
 - b. Nao
 - c. **Waymo**
- v. Roomba is a home robot which is used to clean the.....
 - a. Factory
 - b. **House**
 - c. Roads

2. Write 'T' for true and 'F' for false statements..(Answer any 4 of 5).

4 x 1 = 4 Marks

- i. Picture Puzzle helps in improving problem-solving skills of children.-T
- ii. Visual processing makes the children to perform their daily tasks with difficulty.-F
- iii. Find the differences is a brain game.-T
- iv. A map is used to correctly locate some important places.-T
- v. There are three directions: North, West and South.-F

3. Fill in the blanks with the help of words given in the box. (Answer any 4 of 5).

4 x 1 = 4 Marks

Backdrop Scratch Paint Editor Choose a backdrop Duplicate

- i. ... **Scratch**.is used to create stories, animations and games.
- ii. We can create our own sprite by painting it in **Paint Editor**...window.
- iii. **Backdrop** is the background of the stage where all the projects are created.

- iv. To change the background, click on ... **Choose a backdrop** .option.
- v. To create a duplicate sprite, right click on sprite and select **Duplicate** .option.

4. Write the correct answer from the given options. (Answer any 4 of 5).

4 x 1 = 4 Marks

- i. A.....is a group of web pages.
 - a. **Website** b. web page c. web browser
- ii.is a type of web browser.
 - a. Mozilla Firefox b. Google Chrome c. **Both a & b**
- iii. A.....is a link to another web pages.
 - a. Web browser **b. hyperlink** c. WWW
- iv. Internet is also called a network of.....
 - a. Connections b. Telephone c. **Networks**
- v. URL stands for Uniform.....Locator.
 - a. **Resource** b. Reform c. Reimburse

5. Choose the most suitable answer from the given options. (Answer any 4 of 5).

4 x 1 = 4 Marks

- i. Which of the following is shortcut key to insert a New Slide.
 - a. Ctrl+N **b. Ctrl+M** c. Ctrl+H
- ii. How many slides can be added in a presentation?
 - a. One b. Two c. **As many as you want**
- iii. Thefeature duplicate your file.
 - a. **Copy** b. Cut c. Paste
- iv. Which feature change the position of the object.
 - a. Move **b. Rotation** c. Turn
- v. Which group contains cut option in PowerPoint?
 - a. Slide b. Home c. **Clipboards**

Answer the following Questions. Answer any 10 of 12.

10 x 2 = 20 Marks

6. What is Robot? In which areas the Robots can be used?

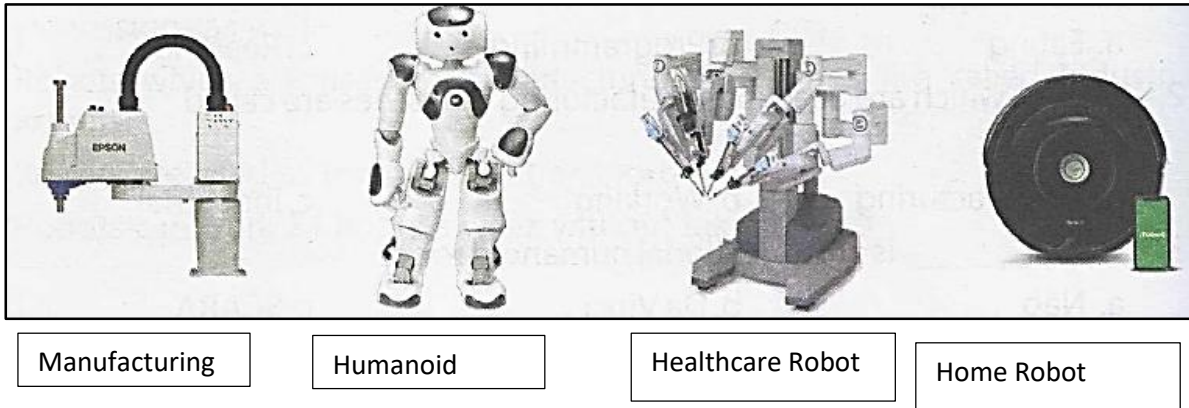
Ans-A robot is an automatic machine which is programmed to perform some specific tasks without or with little human intervention.

Robots are used in manufacturing,health,education,transport, home etc

7. Write a short notes on Home Robots.

Ans-Robots are used at home to simplify the work of human beings. They are used to perform tasks such as-cleaning the house,for entertainment,teaching children etc

8. Name the following robots and tell to which field they belong to.



9. Name any one picture puzzles games and write the benefits of picture puzzles.

Ans-jigsaw puzzle. It helps in improving concentration and visual processing skills. It also helps in problem solving skills.

10. What do you mean by visual processing?

Ans-visual processing is the ability of our brain to make sense of what we see around us.

11. Name the four directions and explain the meaning of Map.

Ans-Four directions are-East, West, North and South

12. What is Scratch? Who is the founder of Scratch?

Ans-Scratch is a block based programming language which is used to create stories, animations and games.

Founder of Scratch is Mitch Resnik.

13. How can you create a duplicate sprite in scratch?

Ans-Right click on Sprite and select duplicate option.

14. Write the full form of (a) WWW (b) ISP

Ans- a. World Wide Web, b. Internet Service Provider

15. Look at the following logos of search engines and name them.



Ans-Google, Yahoo, Bing and baidu

16.Rearrange the following words to make appropriate word.

- a. OCPY-COPY
- b. ASPTE-PASTE
- c. DLEETE-DELETE
- d. UTC-CUT

17.What is difference between rotating and resizing? Write steps for rotating a picture.

Ans-Rotating means to change the position and Resizing means to make the picture smaller and bigger.
