BK BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL
PERIODIC TEST II (2024-25)
ARTIFICIAL INTELLIGENCE

Class: VIII   **Duration: 1 hr.**
Date: 04-12-2024   **Max Marks: 25**
Adm No: ……………………………   **Roll No. :**

I. Multiple Choice Questions :   **(12 X 1 = 12)**

(1) What are the benefits of using humanoid robots ?
  (a) They can perform tasks that are dangerous for humans.
  (b) They can work 24/7 without getting tired.
  (c) They can be programmed to do repetitive tasks.
  (d) All of the above.

(2) What are some of the challenges associated with designing and building humanoid robots ?
  (a) Finding the right materials to use.
  (b) Making the robot walk and move like a human.
  (c) Making the robot think like a human.
  (d) All of the above.

(3) What are some of the current applications of humanoid robots ?
  (a) They are used in manufacturing and assembly
  (b) They are used in healthcare to assist patients.
  (c) They are used in education to teach children.
  (d) All of the above

(4) Which of the following is NOT a characteristics of humanoid robots ?
  (a) They have arms and legs.   (b) They are designed to look like humans.
  (c) They are capable of emotions.   (d) They can perform tasks that humans do.

(5) What is the future potential of humanoid robots ?
  (a) They will replace human workers in many industries.
  (b) They will become more advanced and capable of performing a wider range of tasks.
  (c) They will become more affordable and accessible to the general public.
  (d) All of the above.

(6) Which of the following is NOT a feature of humanoid robots ?
  (a) Artificial intelligence   (b) Facial recognition
  (c) Speech recognition   (d) Four legs

(7) Which HTML tag is used to embed an audio file into a web page ?
  (a) <audio>   (b) <video>   (c) <img>   (d) <source>

(8) Which attribute specifies the source of the audio file ?
  (a) src   (b) alt   (c) width   (d) height

(9) Which HTML attribute specifies whether to automatically start playing the audio or video when the page loads ?
  (a) autoplay   (b) controls   (c) loop   (d) muted

(10) Which HTML attribute specifies whether to display playback controls (eg. Play, pause, volume) for the audio or video ?
  (a) autoplay   (b) controls   (c) loop   (d) muted

(11) Which HTML tag is used to create a hyperlink ?
  (a) <link>   (b) <a>   (c) <img>   (d) <href>

(12) Which HTML attribute specifies the URL of the linked resource ?

    (a) href   (b) src   (c) alt   (d) title

II. Short Answer Type Questions :   (4 X 2 = 8)

(1) What is humanoid robot ? Give any two characteristics of a humanoid robot.

(2) Write any four examples of robots that overlap between humanoid, mobile and industrial robot types.

(3) Differentiate between <A> as an anchor and <A> as a link.

(4) Your school's web address is www.thegreatschool.com. You want to create a link to this website from your web page. Write the HTML code you will use to do this.

III. Long Answer Type Questions :   (2 X 2.5 = 5)

(1) Write any three identification rules of a mobile robot.

(2) Distinguish between HREF and NAME attributes of <A> tag with the help of example.

************ ALL THE BEST ************