PT4/ANNUAL EXAMINATION, 2023-24

COMPUTER STUDIES (AI & Coding)

Time – 2 hrs.   **Class – VII**   **M.M. – 30**

Name of the student _____ Section ____ Date - 06.02.2024 (Tuesday)

> **Instructions:**
> 1. Attempt all questions.
> 2. Write complete statement of fill in the blanks, one word answer and MCQ

Q1. **Out of the four options given below, tick (✓) the correct option:**   **1*5=5**

(a) After the if condition there is a ____ sign.

a. semicolon (;)   b. colon (:)   c. comma(,)   d. period (.)

(b) ____ is a voice-controlled intelligent assistant.

a. Deep Learning   b. Microsoft   c. Alexa   d. None of these

(c) Left, right, centered and justified are types of:

a. Alignment   b. Fonts   c. Borders   d. Margin

(d) Google Assistant has smart devices that make use of ____operating system.

a. Android   b. Mac   c. Linux   d. Windows

(e) NLP is the process of making computers understand ____ languages.

a. Machine   b. Assembly   c. Human   d. Binary

Q2. **Fill in the blanks:**   **1*5=5**

(a) Cortana is a personal digital assistant developed by _____.

(b) The _____ statements are also called as loops.

(c) _____ is used to change the first letter of each word to uppercase.

(d) The conditional statements are also called as _____ Making Statements.

(e) _____ Robots can be programmed and reprogrammed easily.

Q3. **Application based questions:**   **1*5=5**

(a) Faruk is reading a magazine which has information about India's first 3D-printed humanoid robot. What is the name of the robot he is reading about?

(b) Hardik is writing a Python code that includes checking several conditions. What type of conditional statements will he use?

(c)   Meenal and Kavita are developing a webpage for their music coaching. They want to apply a background color to the webpage. Which HTML/CSS property should they use?

(d)   Sumit is converting a decimal number to a binary number. He needs to calculate the remainder in each step. Which operator do you suggest him use for this task?

(e)   Rahul has recently heard about a social humanoid robot with the ability to display more than 50 facial expressions. What is the name of the robot he has heard about?

Q4. Short answer type questions.(any five)   **2*5=10**

(a)   How does the deep learning technique help in managing the content on social media?

(b)   Give a difference between fixed and mobile robot.

(c)   What are service robots?

(d)   What do you mean by margin? Name its types.

(e)   Write a code in Python to check whether a person is eligible to apply for a driving license.

(f)   How is AI going to benefit the automotive industry?

(g)   What are the various types of control statements?

Q5. Long answer type questions. (any one)   **5*1=5**

Write a code in python to check whether a number is even or odd.

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OR

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How do you apply different font family, style, variant and color in CSS?

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