Computer Science - Grade VI Practical
Elementary Girls Campus
Total marks: 20
Duration: 30 Minutes

Attempt any one of the following tasks:

Task: Create a Weather Report Animation in Scratch
[20]

Instructions:
Create a short animation in Scratch where a weather reporter talks about the current weather and forecast for the next day.

Requirements:

- Use two different sprites (e.g., weather reporter and sun/cloud).

- Add a background that matches the theme (e.g., city, studio, outdoor).

- Use the "say" block to show a 2-line weather report and a 2-line forecast.

- Use "wait" blocks to create a realistic pause between sentences.

- Add weather-related sound effects (e.g., rain, thunder, or sunshine).

- Switch costumes for visual effect (e.g., sun becomes cloudy).

- Change background during the report (e.g., from current day to forecast).

- Add a repeat block that simulates a flashing news sign.

- Make both sprites glide or move into view.

OR

Task: Library Book Checkout Record [20]

Scenario:

You are helping to maintain a digital record of books checked out from the school library. Create a spreadsheet to log checkout information for students.

Create a spreadsheet with the following columns:

Data Entry

- Enter records for 3 students.

- Each record should include: Student's name, Book title, Category, and Quantity (number of books borrowed).

Data Validation

- In the **Category** column, create a drop-down list with the following options:

    ○ Fiction, Non-Fiction, Reference

Calculated Field

- Use a formula in the **Total Pages** column to calculate:

○ Total Pages = Quantity × Average Pages per Book

Logical Test

- In the **Heavy Reader?** column, use an IF function to check:

  ○ If the total pages exceed 500, show **"Yes"**, otherwise show **"No"**.