Term: I
Session: 2024 – 2025
Marks: 20

TNG
The Next Generation
School

Name: _____
Date: _____

I.   Answer the following questions: [11]

1) a. Why do we add comments to the program?   [1]

_____

_____

b. What are the steps of adding a comment?   [1]

_____

_____

_____

2) Mario wants to create a database for a video game. Each record will contain information like name, number of players and game duration. He needs to decide which type of database should he use. Help Mario by writing 4 differences between physical and digital database.   [4]

Physical Databases:

(i) _____

(ii) _____

(iii) _____

(iv) _____

Digital Databases:

(i) _____

(ii) _____

(iii) _____

(iv) _____

3) Differentiate between data and information. [2]

Data:

_____

_____

_____

Information:

_____

_____

_____

4) Jenny wants to know about the favourite book character of her friends. She is thinking of using forms to survey her friends. Jenny is confused whether she should use forms? Help jenny by listing down any **three** advantages and disadvantages of using forms to collect data. [3]

Advantages:

(i) _____

(ii) _____

(iii) _____

Disadvantages:

(i) _____

(ii) _____

(iii) _____

II **Choose the correct option.** [6]

1) _____ is used in an animation

    (a) repetition   (b) algorithm

    (c) loops   (d) Scratch jr.

2) _____are used in a program to repeat instructions.

    (a) Desktop   (b) Instructions

    (c) Random   (d) Loops

3) _____loop is where the instructions repeat forever.

    (a) software   (b) event block

    (c) loop   (d) forever loop

4) Forever loop is found under the _____ group of blocks.

    (a) Event   (b) Control

    (c) looks   (d) pen

5) _____is the process of finding and removing errors from a program.

    (a) repetition   (b) switching

    (c) debugging   (d) gliding

6) Raw data is _____

    (a) Processed   (b) Unprocessed

    (c) Organised   (d) None of these

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III) Match the following: [3]

A note explaining the meaning of a program's code	a) Debugging
These are used in programmes to repeat instructions	b) Repetition
the process of finding and removing errors from the program	c) Comments