

CLASS V
SAMPLE PAPER
CHAPER: MORE ON SCRATCH, DATA PROCESSING & EVOLUTION OF AI
FULL MARKS:40

A. Fill in the blanks 1x10=10

- a) Scratch is a _____ - based programing language.
- b) A variable is a placeholder which holds a _____.
- c) _____ Block is used to find the different factors of the project.
- d) _____ Block is used to create a variable and list.
- e) _____ is the default sprite in a Scratch program.
- f) _____ refers to arrange the data in a specific order.
- g) A _____ is a pictorial representation of some word or phrase.
- h) Turing Test was found by _____
- i) ALBO is a series of robotic dogs designed by _____.
- j) _____ is an AI based Math Learning program.

B. Write 'T' for true and 'F' false statements.1x5=5

- 1. A sound block contains 9 purple coded color block.
- 2. You cannot delete the default sprite and add a new sprite.
- 3. Scratch provides various in built sprites from which you can choose and add it on stage.
- 4. Encoding is also known as deciphering.
- 5. Alan Turing, a computer scientist first coined the term "Artificial Intelligence".

C. Answer the following questions.2x10=20

- a) How can you add a new sprite in scratch?
- b) What do you mean by variable? What if the use of variable block?
- c) How can you add sound in a sprite?
- d) What is the use of sensing block? How many blocks are there is sensing block?

- e) What is the difference between Data and Information?
- f) Name the various ways to represent the information.
- g) What is Encoding and Decoding?
- h) What is Artificial Intelligence?
- i) What was the purpose of Turing Test?
- j) Explain the use of AI at home.

D. Match the following:5

1	Robovac 35c		AI based computer program developed by Facebook
2	Siri		Smart digital Assistant of Amazone
3	Darkforest		Voice controlled personal assistant
4	Alexa		Educational humanoid robot
5	Nao		Home cleaning robot