Brain International School

Vikas Puri, New Delhi

REVISION SHEET

SUBJECT: F.I.T   **CLASS-VIII**   **TERM II**

Ch 7 : Using Loops in MakeCode

Q1 Name the three different types of loops.

Q2 Write the use of continue statement.

Q3 Identify the four different components of While loop:

a) x=x+1 _____
b) x=2 _____
c) x>0 _____
d) print(x) _____

Q4 Mention two advantages of using Loops

Ch 8: Iterative Statements in Python

Q1 In Python, which operator symbols are used to perform arithmetic operations on data?

Q2 Write about two different types of string operators,

Q3 Which arithmetic symbol finds the power of one number to the other?

Q4 Explain conditional structure,

Q5 Write a program to print the numbers in a series from 1 to10

Ch 9: Big Data

Q1Name any three e-commerce companies.

Q2 How is big data useful in the following fields:

a) Science and Research   b) Sports

Q3 Fill in the blanks:

(i)_____ refers to the size of data . Big data has (ii)_____ because it is collected from various sources. (iii)_____ is a process of extracting only useful data and filtering out the necessary data.

Q4 Explain the term Regression.

Q5 Write one use of Big Data in daily life.

Q6 Which of the following is an example of Big Data?
    a) Attendance register of a class   b) Marks of one student
    c) Data generated from social media platforms   d) One page of notes

Q7 Which device generates Big Data?
    a) Calculator   b)   Notebook   c) Blackboard   d) Smartphone

Q8 Data in the form of images, videos, and text together shows which V of Big Data?
    a) Volume   b) Velocity   c) Value   d) Variety

Q9 Which sector uses Big Data to predict weather conditions?
    a) Education   b) Healthcare   c) Banking   d) Meteorology

Q10 A popular online video platform collects data from millions of users every day. This data includes videos watched, time spent on each video, likes, comments, and search history. The platform uses this data to suggest videos to users and improve their services.

Based on the above case, answer the following questions:

(a) Why is the data collected by the platform called Big Data?

(b) Identify any two Vs of Big Data mentioned in the case study.

(c) State one benefit of using Big Data for users of the platform.

Ch 10: Data Science

Q1 Write one similarity and one difference between NLP and CV.

Q2 Mention various phases of Data Science.

Q3 How is data science useful in the field of transport?

Q4 Give one example each of continuous data and discrete data from daily life

Q5 State whether the following data is continuous or discrete:
    a) Time taken to complete a test   b) Number of students absent in a class

Q6 Discrete data is generally obtained by:
    a) Measuring   b) Estimating   c) Calculating   d) Counting

Q7 Which of the following can be expressed in decimal form?
    a) Number of students in a class   b) Number of cars in a parking lot
    c) Number of chairs in a room   d) Length of a rope

Q8 The number of outcomes when rolling a die is an example of:
    a) Continuous data   b) Primary data   c) Grouped data   d) Discrete data