SAINIK SCHOOL CHANDRAPUR
DEPARTMENT OF COMPUTER SCIENCE
VACATION WORK
ACADEMIC SESSION 2024-25
CLASS VII

Important Instructions:

1. **Cadets will have to maintain a 100 pages notebook or Bunch of ruled pages to write down / pasting pictures / taking notes for the project work.**
2. **This copy will be different from class notebook. This copy will be brought and submitted by cadet during physical joining of the cadet.**
3. **Cadet will have to paste the given format on the front page of the assignment before submission. (Format attached after classwork)**

THEORY

1. **Write down Answers for the given questions below:**

   a. In a mobile phone all input and output operations are performed using touch screen whereas in a computer we require to connect devices to a computer. Explain in details about the platform to attach all the external devices to a computer also explain different ports used by computer to allow other devices to get connected to it.

   b. In a computer Processor is placed inside CPU plays a very important role in functioning of Computer operations. Enlist all other supporting components of CPU which helps computer to work in efficient manner that are connected to a mother board of computer.

   c. In our day to day life we use decimal number system to perform our daily calculations likewise computer uses various other number system for example binary number system. Enlist all the numbers systems used by computer to perform its internal operations with example of each.

   d. What is the language of understanding of computers, do we use the same language in our day to day life? If yes Why if No Why?

   e. In today's world our dependence over internet and related things has increased drastically, at the same time potential threat in the world of internet has also increased. Enlist the possible potential threats in use of internet and the measures to overcome them. And write few words over your understanding on topic "safety in virtual world".

PRACTICAL

1. **Create model/practical for the given questions:**

   a. Create a collage with description in which computers termed as better performer than humans for example. Guided Missile system used in Indian Army is controlled by computers for safety.

   b. As per global reports, since COVID 19 use of internet has increased drastically and changed the entire scenario in terms of increase in user of internet. Create a user guide (artistic colourful booklet) which will have all Do's and Don'ts accessing internet with respective devices like desktop computers, laptops and mobiles.

   c. Enlist all computer threats and viruses with name s and their country of origin, also enlist various popular computer virus attacks in world history with photographic evidences.

   d. Enlist at least 10 cyber ethics to be safe in digital world. Prepare a chart for the same using different graphics.

Front page Format

SAINIK SCHOOL CHANDRAPUR

DEPARTMENT OF COMPUTER SCIENCE

PRACTICAL RECORD BOOK

Academic Session 2024-25

Roll No of Cadet _____

Name of Cadet _____

Class _____ **Sec** _____ **House** _____