St. Mary's School, Dwarka
Holiday Homework
Class XI
Subject- Informatics Practices
Week 1
Worksheet 1

Q1   Write a short note on Chatbots in about 50 to 100 words.   2

Q2   Five friends plan to try a startup. However, they have a limited budget and limited computer
       infrastructure. How can they avail the benefits of cloud services to launch their startup?   2

Q3   Robots are taking on new responsibilities during the pandemic. Justify.   2

Q4   Match the following: 2

S.No	Column A	Column B
1	You got a reminder to take medication	Smart Parking
2	You got a SMS alert that you forgot to lock the door	Smart Wearable
3	You got the SMS alert that parking space is available near your block	Home Automation
4	You turned off your LED TV from your wristwatch	Smart Health

Q5   What are number systems used by computer? What does radix por base signify?   3

Q6   Justify the following statement 'Touch Commerce is affecting industries.'   3

Q7   Give three examples of Natural Language Processing that you use every day directly or indirectly
       through computers.   3

Q8   Do the number conversion as directed: 5

       a) $(23438)_{10} = ($ $)_{16}$

       b) $(01110111100)_{10} = ($ $)_8$

       c) $(FACE)_{16} = ($ $)_{10}$

       d) $(47BA)_{16} = ($ $)_8$

       e) $(1010111111010101)_2 = ($ $)_{10}$

Q9   Write a short note on Unicode encoding schemes.   5

Q10   Write any five practical applications of IOT (Internet of Things) technology that can be found in
       many fields today.   5

Project 1

Describe various ways in the form of a presentation or a movie, how emerging Technologies tackle the global Coronavirus Pandemic. (Mention the technologies)

Hint: