SUB: ARTIFICIAL INTELLIGENCE   **CLASS: IX**   **TIME: 2 Hrs.**   **MM-50**

Imp. Instructions:
- *Write down the proper question Sr. No. and answer it.*
- *Each section have choices. Don't do extra questions.*

Q.1 **Fill in the blanks (Do any six) 6 x 1 = 6 marks** **[6]**

a.   Knowledge, intention and good habits are some_____ of effective self-management. [1]

b.   The act of knowing oneself better is _____. [1]

c.   _____ refers to the ability to work well with people from different background and different personalities. [1]

d.   _____ is another name for "weaknesses"?(areas of improvement/catchment areas) [1]

e.   _____a non-verbal communication, tone of voice shows how a person is feeling like anger/excitement etc. [1]

f.   _____ converts the sender's message into different forms to be acceptable by receiver. [1]

g.   _____ is a workplace factor, where the communication is influenced by their positions. [1]

h.   A casual spontaneous communication is a _____. [1]

Q.2 **Answer the following questions. (Do any four) 4 x 1 = 4 marks** **[4]**

a.   Differentiate between interest and abilities? [1]

b.   How personality management will help in self-management? [1]

c.   Define one of the major tips for building self-confidence. [1]

d.   State one disadvantage of non-verbal communication. [1]

e.   State the type of sentence for the following: [1]

     a.   Leave the classroom immediately.

     b.   This is my favourite fruit.

f.   Draw two visual communication symbols. [1]

Q.3 **Answer the following questions. (Do any 5) 5 x 2=10 marks** **[10]**

a.   What are the tips for building self-confidence? [2]

b.   Expand the term SMILE? [2]

c.   Define 4 self-management skills? [2]

d.   Draw the communication cycle diagram? [2]

e.   State difference between verbal and non-verbal communication with 2 examples of each? [2]

f.   When can a paragraph be considered complete? [2]

g.   Give examples of exclamatory and interrogative sentences? [2]

Q.4 **Fill in the blanks (Do any 8) 8 x 1 = 8 marks** **[8]**

a.   _____is used to check machine intelligence. [1]

b.   _____is the first intelligent chatbot developed in 1966. [1]

c.   ASI is _____. [1]

d. _____is an example game of AI application in Gaming. [1]

e. _____ is a chess playing computer [1]

f. _____is example of a goal of artificial intelligence. [1]

g. _____is an example of IOT. [1]

h. _____is an example of smart device but not AI. [1]

i. SDGs are defined by _____. [1]

j. Correct order of the stages of AI Projects Cycle is_____ [1]

k. _____is the hypothetical point at which AI machines will surpass human intelligence. [1]

Q.5 **Answer the following questions. (Do any four) 4 x 1 = 4 marks** **[4]**

a. What are important features of smart city? [1]

b. Name any two SDGs related to good social causes. [1]

c. Give one-one example of computer vision and NLP. [1]

d. What is Evaluation in Project Cycle? [1]

e. Define Problem Scoping stage? [1]

f. Name any one career opportunity in AI. [1]

Q.6 **Answer the following questions. (Do any Five) 5 x 2 = 10 Marks** **[10]**

a. What is 4-W canvas? Write all the 4-W in order? [2]

b. Write a short note on NLP. [2]

c. List the soft skills required to get jobs in AI [2]

d. State two ethical issues in AI [2]

e. Compare human intelligence with AI? [2]

f. Define AI and what is not AI? [2]

g. State two advantages and two limitations of AI? [2]

Q.7 **Answer the following questions. (Do any Two) 4 x 2 =8 marks** **[8]**

a. A school has observed a decline in the performance of the average-performing students in previous 3 monthly tests in Math. The better-performing students have performed satisfactorily. School needs a system to predict the performance of all the students in Math by analysing the performance data of previous tests. Draw a 4-W canvas for the given problem. [4]
OR
Nagraj Circle in a Chennai city is overcrowded and people have to wait there for long time duration for green signal. Sometimes some road having less vehicles and some road passed with heavy traffic. Draw a 4-W Problem Canvas for the Problem.

b. Define all the 5 stages of the project cycle in brief. [4]

c. Draw the diagram of Domain of AI? Also explain all domains? [4]

d. List applications of AI in various industries? [4]