O. P. JINDAL SCHOOL, SAVITRI NAGAR
Half Yearly Examination (2023 – 2024)

Class: VI   MM: 40
Subject: Artificial Intelligence (AI)   Time: 1 Hr.

Name: _____   Roll No.:_____

General Instructions: **All questions are compulsory.**

SECTION – A

Q.1 Tick out the correct option: (10 x 01 = 10 Marks)

i) What is Artificial Intelligence?

    a) An intelligent entity created by humans

    b) Capable of identifying patterns from the given data

    c) Capable of performing tasks intelligently without being explicitly instructed

    d) All of the above

ii) What is not a feature of a mechanical device?

    a) Works for humans   b) Faster product manufacturing

    c) Learning of its own   d) Needs electricity or power source to work

iii) What was thw name of the first chat bot?

    a) Cortana   b) Alexa   c) ELIZA   d) SIRI

iv) Which of these was the first AI-based vacuum cleaner that entered homes?

    a) Samba   b) Roomba   c) Google Assistant   d) Siri

v) What are the applications of artificial intelligence in healthcare?

    a) Disease diagnosis   b) Robot-assisted surgery   c) Physical therapy   d) All of these

vi) An AI-powered car that can drive autonomously without a driver present is called _____

    a) Automatic car   b) Self-driving car   c) Robotic car   d) Hybrid car

vii) Which are the hazardous tasks where AI can be used?

    a) Explore the deep sea   b) Defuse bombs

    c) Explore uninhabitable planets   d) All of these

viii) Which of these is not a task carried out by personal digital assistants?

    a) Manage schedules   b) Convert speech into text

    c) Manufacture products   d) Provide directions

ix) What are some of the elements that privacy includes?

    a) Right not to have personal matters disclosed publically

    b) Right to be left alone

    c) Information privacy

    d) All of these

x) What are the possible reasons for data bias?

    a) The data does not reflect the main population

    b) The data has been unethically manipulated

    c) The data itself is biased

    d) All of these

SECTION – B

Q.2 Fill in the blanks: (05 x 01 = 5 Marks)

    Hints: [Imagination, NLP, Emotions, Artificial, Trail]

    i) _____ intelligence cannot adapt to changes quickly.

    ii) Technological developments are only limited by human _____.

    iii) Chat-bots use _____ driven by AI to answer queries and carry out tasks.

    iv) Robots think logically and do not get distracted by _____.

    v) You avail of many free service on the net, leaving behind a _____ of data.

SECTION – C

Q.3 Check whether the following statements are true or false: (05 x 01 = 5 Marks)

    i) Sophia is a humanoid robot.

    ii) IBM Deep Blue is an AI-based program.

    iii) Robots are too clumsy to assist doctors during surgery.

    iv) Rescue robots can be used as fire fighters.

    v) Our ethics on our upbringing and environment.

SECTION – E

Q.5 Very short answer the following questions: (05 x 02 = 10 Marks)

    i) What is AI?

    ii) What does the Turing test check?

    iii) How is home security is empowered by AI?

    iv) Name any two digital assistants.

    v) What are Ethics?

SECTION – F

Q.6 Answer the following questions: (Any Two)   (02x05=10 Marks)

    i) State any four difference between human intelligence and artificial intelligence.

    ii) What was the aim of the first AI conference at Dartmouth? What did the conference achieve?

    iii) Give any one example of the following AI-powered applications:

        a) Social media

        b) Navigation

        c) Chat-bot

        d) E-commerce