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

Class: VII   MM:40

Subject: 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 big data?

a) Collecting data   b) Data in which there are large images

c) Massive sets of data   d) None of these

ii) What are the features of Artificial Intelligence?

a) Ability of a machine to think and learn like humans   b) Machines simulating human intelligence

c) Both a and b   d) None of these

iii) Which process of NLP helps the machine to understand the meaning of data?

a) NLU   b) NLG

c) CV   d) NLV

iv) Siri, Alexa and Google Assistant are the common examples of _____.

a) Voice assistants   b) Search engines

c) Computer vision   d) Data domain

v) What does AI include?

a) ML and DL   b) Only ML

c) Only DL   d) None of these

vi) Which of the following is not a feature of the rule-based approach?

a) It is based on rules & facts   b) It learns on its own

c) The rules are fed by the developer to rule based model   d) It provides predefined outcomes

vii) What is the major concern about implementation of AI in the future?

a) Responsible implementation   b) Cost effectiveness

c) Speed of implementation   d) Scale of implementation

viii) What is the system of moral principles for AI called?.

a) AI black box   b) AI bias

c) AI ethics   d) AI systems

ix) What does "beneficence" mean in simple words?

a) Do only good   b) Do no harm

c) Do good when convenient

d) None of these

x) Why is AI called a dual – purpose technology?

a) It is of two types

b) It has both potential risks and benefits

c) It has only two goals

d) It runs on two alogithms

SECTION – B

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

Hints:- [massive , justice, self-driving , pixels , Artificial Intelligence]

i) The principle of _____ warns against the risk od bias in datasets used to train AI systems.

ii) A picture is just an array of _____ to a computer.

iii) Big data refers to the storge and processing of _____sets of data.

iv) ML is a subset of _____.

v) _____ cars will not require human assistance in the future.

SECTION – C

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

i) We can predict the exact impact of AI on our lives in the future.

ii) AI ethics ensure consumer satisfaction.

iii) DL has a large numbers of layers.

iv) NLU converts text into a machine – readable format.

v) Humans have a natural ability to learn and use languages.

SECTION – D

Q.4 Very short answer the following questions: (05 x 02 = 10 Marks)

i) Describe NLP ?

ii) What are chatbots?

iii) What is machine learning?

iv) What is the primary aim of AI in education?

v) What is AI ethics?

SECTION – E

Q.5 Short answer the following questions: (Any Two)   (02 x 05 = 10Marks)

i) What are the benefits of ethical AI(write any two)?Describe any two major concerns of AI.

ii) What is the difference between Ml & DL (write any two)?Describe computer vision.

iii) Write brief about training & testing data. What are the various data sources (write at least any two)?