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

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

Name: _____ Class/Section: _____ Roll No.: _____

Invigilator's sign: _____ Marks Obtained: _____ Examiner's sign: _____

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

SECTION – A

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

i) A _____ navigates between locations without human intervention.
   a) Self-driving Car   b) Smart Refrigerator   c) Door Bell   d) All of these

ii) A _____ is a computing device that is wearable on the wrist.
   a) Smart watch   b) Echo   c) Smart TV   d) None of these

iii) _____ will help in preventing collisions and promoting smooth traffic flow.
   a) Connected Cars   b) Smart Bins   c) Misrouted Assets   d) All of these

iv) AIoT-based _____ automates the irrigation system and keeps an eye on the farm.
   a) Farming   b) Logistic   c) Transport   d) None of these

v) The _____ stores the information temporarily and works like a blackboard.
   a) ROM   b) RAM   c) Pen Drive   d) All of these

vi) The _____ is used to read and write data on a blu-ray disc.
   a) Ultra-violet Light   b) Infrared Ray   c) Blue-violet Laser   d) None of these

vii) The _____ is a storage medium for a mobile phone or camera.
   a) Memory Card   b) Pen Drive   c) Smart Card   d) All of these

viii) Which of the following is an example of cloud drive or storage?
   a) Google Drive   b) D Drive   c) Flash Drive   d) None of these

ix) This folder holds the deleted files/folders in a computer.
   a) Document   b) This PC   c) Recycle Bin   d) All of these

x) Which of the following is an AI powered tool that allows you to search for information on the system or web directly?
   a) Search   b) Cortana   c) Find   d) None of these

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SECTION – B

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

[Hints: Shortcut, Internet, Pen drive, Notification, AIoT]

i)   In a smart home, all the devices are connected to the _____.

ii)   A combination of artificial intelligence technology and internet of things infrastructure is known as _____ .

iii)   A flash drive is also known as_____.

iv)   Date and Time can be seen on the taskbar in the _____area.

v)   A _____ icon has a small arrow on its lower-left corner.

SECTION – C

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

i) A smart refrigerator can determine what kind of objects are kept there.   _____

ii) The Amazon Echo is a voice-controllable speaker.   _____

iii) In a smart city, air pollution cannot be examined in real-time.   _____

iv) RAM is directly accessed by CPU.   _____

v) The Notification area provides an easy and quick way to open the programs.   _____

SECTION – D

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

i) Write any two features of self-driving car.

_____

_____

_____

ii) Explain any two features of IoT.

_____

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_____

iii) Write any two features of smart cities.

iv) What is Windows 10? What is the default browser of the Windows 10.

v) Define computer memory. Give an example of cloud drive or storage.

SECTION – E

Q.5 Answer the following questions: (Any Two)   (02x05=10 Marks)

i) Define AIoT. Write short note on smart healthcare.

ii) Differentiate between RAM and ROM.

iii) Describe the use of the 'This PC' icon.

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