No. of Printed Pages/Questions: 4/5

O. P. JINDAL SCHOOL, SAVITRI NAGAR

Half Yearly Examination (2026 – 2027)

Class: IV **MM: 50**

Subject: Artificial Intelligence (AI) **Time: 2 Hr.**

Name: _____ Section: _____ Roll No.:_____

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

General Instructions: *All questions are compulsory.*

SECTION – A

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

i. In which industry are robots often used to perform repetitive tasks that are dull and tiring for humans?

a) Military b) Entertainment c) Manufacturing d) Medicine

ii. What kind of robots are used in hazardous environment such as bomb detonation sites and mining?

a) Home robots b) Autonomous robots c) Military robots d) Hobby robots

iii. What field of robotics involves recognizing human emotions through facial expressions?

a) Multimedia b) Environment c) Programming d) Emotion sensing

iv. What emerging sector combines mechanics and electronics to assist physically challenged individuals?

a) Entertainment b) Mechatronics c) Service d) Space exploration

v. Which company developed Windows 11?

a) Microsoft b) Apple

c) Google d) Amazon

vi. What icon is used to represent the Start button?

a) A circle b) A square/circle with four smaller squares inside

c) A triangle d) All of these

vii. What is the keyboard shortcut to open the Windows Shortcut Menu?

a) Ctrl + X b) Alt + X

c) Windows key + X d) none of these

viii. Which alignment option places the text in the center of the page?

a) Right alignment b) Left alignment c) Justify d) Center alignment

ix. What is the shortcut key to change the text to italics is Word 2019?

a) Short + Ctrl + I b) Shift + Ctrl + B c) Ctrl + P d) None of these

x. What does Shift + Ctrl + U do in Word 2019?

a) Shows selected text as underlined b) Changes font type

c) Changes text to bold d) Changes line spacing

SECTION – B

2. Fill in the blanks: **(10 x 01 = 10 Marks)**

[Hints: Speaker, Google, Keyword, Android, Aerial, Search, Mars Rover, Time, Start, Robot]

i. A robot that looks and acts like a human is called an _____.

ii. UAV stands for Unmanned _____ vehicle.

iii. To change the volume, use the slider near the _____ icon in the system tray.

iv. The Taskbar shows the date and _____.

v. Popular search engines include _____, Bing and Yahoo.

vi. Specific _____ should be used when searching for something.

vii. The _____ button opens the Start menu.

viii. A _____ can be any machine that follows instruction and helps reduce human work.

ix. You can use the _____ tool to find applications quickly.

x. _____ is a robot that explores planet Mars to study its environment.

SECTION – C

3. Write T for True or F for False: **(10 x 01 = 10 Marks)**

i. Robots are classified into six types. _____

ii. A robot developed in America can attack insects. _____

iii. The Taskbar is located at the bottom of the screen by default. _____

iv. It is possible to set the spacing before and after a paragraph. _____

v. A browser is a tool that retrieves data from the World Wide Web and presents it on your computer. _____

vi. Industrial robots are programmed using computers. _____

vii. Robots can do repetitive tasks. _____

viii. It is possible to change font in Word. _____

ix. Windows 11 was developed by Apple. _____

x. Bookmarks provides you with easy access to frequently visited websites. _____

SECTION – D

4. Short answer the following questions: **(05 x 02 = 10 Marks)**

i. Describe mechatronics.

ii. Name the group to which Thesaurus belongs.

iii. What are running app on the Taskbar?

iv. Write names of any two fonts.

v. List any two ways in which we could connect to the Internet.

SECTION – E

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

i. What is Windows 11? Describe the function of the Taskbar.

ii. What is a robot? What makes AI robots different from regular robots?

iii. Define the term netiquette. List any 3 points of netiquette that everyone should follow.

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