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

Class: VIII Subject: Artificial Intellige	nce (AI)		MM: 40 Time: 1 Hr.	
Name:			Roll No.:	
General Instructions: All questions are compulsory.				
SECTION - A				
Q.1 Tick out the correct option:			$(10 \times 01 = 10 \text{ Marks})$	
 i) Which of the following a) Sound data c) Image data ii) Which of the following a) Data iii) What was the name of 	g is not one of the three b) NLP	b) Text data d) All of these e domains of artificia c) Neural network	gence systems? I intelligence?	
	b) Ocean blue	c) Old sea	d) Deep blue	
iv) Google's self driving ca	ar project is called			
a) Alphabet v) Siri is a digital assistanc a) Microsoft	ar an resource out a some		d) Mobileye	
		c) Google	d) IBM	
vi) What is IBM's Watson?				
a) Self-driving vehicle		b) Supercomputer	platform	
c) Messaging service		d) Digital assistan		
vii) Which of the following	g is NOT one of the thi	ree main domains of	the Sustainable Development Goals	
a) Environment	b) Social	c) Economy	d) Political	
viii) Sustainable Developn	nent Goal primarily dea	als with		
			d) Quality education	
ix) Smart cities will have b five?	etter scores on five ma	jor aspects. Which o	f the following is NOT one of these	
a) Environment	b) Transportation	c) Safety	d) Life expectancy	
x) What is the name of Go	ogle's AI-based messa	ging service?		
a) Allo	b) Helo	c) Orkut	d) Facebook	
SECTION – B				
Q.2 Fill in the blanks:			$(05 \times 01 = 05 \text{ Marks})$	
Hint: [Vision, Handwritin	ng Recognition, Intell	igent, Expert, NLP]	
i) The game mystery anima	l is based on	technology.		
ii)	_ systems are used to	provide advice, expla	anations, solutions etc	

111)	systems use AI technology to understand th	ne images.
iv) Computer (converts text on the paper or inputs given by the users fi	rom stylus into the computer readable
v) AI is widely	being used to improve the working of the robots, those	e are called robots.
SECTION - C		
Q.3 Check whether t	he following statements are true or false:	$(05 \times 01 = 05 \text{ Marks})$
	gy does not have any risks.	(ve a vi ve marks)
ii) Smart cities	connect individuals with communities.	
iii) The develo	pment of self-driving vehicles will help in reducing acc	idents and traffic jams
iv) Smart cities	s can lead to better disaster management and responses.	James
v) Amazon and	Walmart use AI-technology to understand their custom	ers better.
SECTION - E		
Q.5 Very short answe	er the following questions:	$(05 \times 02 = 10 \text{ Marks})$
	ficial Intelligence?	(00 a 02 To Hairs)
ii) What is Data	a Science?	
iii) Write about	some of the dangers of Smart Buildings.	
vi) Write few p	oints on how living in smart cities will change our life.	
v) What is Nati	aral Language Processing (NLP)?	
SECTION - F		
Q.6 Answer the follow	ving questions: (Any Two)	(02 x 05=10 Marks)
	ifference between Smart Homes and Smart Buildings?	(02 x 05 10 Marks)
	ments of sustainable development? Explain.	
	ustainable Development Goals briefly?	