1	/. \IVIOGE	el Test	: Paper-1				
٠				-a			
: 2	Hours		Wax.	Marks: 50			
_1 T	nstructions.						
1.	please read the instructions care	fully.					
2.	This Question Paper consists of 2	21 questions in t	wo sections: Section A & Section B.				
3.	Section A has Objective type questions whereas Section B contains Subjective type questions.  Out of the given (5 + 16 =) 21 questions, a candidate has to answer (5 + 10 =) 15 questions in the allotted (maximum) time of 2 hours.						
4.							
5.	All questions of a particular secti	on must be atter	npted in the correct order.				
6. SECTION A - OBJECTIVE TYPE QUESTIONS (24 MARKS):							
	(i) This section has 05 question						
	(ii) Marks allotted are mentione		uestion/part.				
	(iii) There is no negative markin						
	(iv) Do as per the instructions g	新文字/ 100 DATE GUESTA	all no confidences of the large leating the season for a point				
7.	SECTION B – SUBJECTIVE TYP		6 MARKS):				
	(i) This section has 16 questions.						
	(ii) A candidate has to do 10 questions.  (iii) Do as per the instructions given.						
	(iv) Marks allotted are mention		nuestion/part				
		ed against each					
	SECTION A	A: OBJECTIV	E TYPE QUESTIONS				
Ans	swer any 4 out of the given (	questions on	Employability Skills. (1 × 4 :	= 4 marks)			
(i)	is an aspect of i	non-verbal comm	unication where physical gestures are used	1			
	a) Body language		b) Feedback	$\bigcirc$			
	c) Culture	0	d) Feelings	$\circ$			
(ii)	means managir	ng yourself with t	he people and resources around you.	1			
	a) Self-Motivation		b) Self-Confidence	Q			
	c) Self-Control		d) Self-Management				
1	refers to trusting one's capabilities and potentialities to achieve the necessary goals, objectives and challenges in life and being worthy of leading a happy life.						
(iii)	Objectives and challenges in life	A CONTRACTOR OF THE PARTY OF TH					
(iii)	그를 낳았다. 우리 경기 경기에 대답한 대답한 대답한다. 그리고 하는 경기를 받았다. 그리고 하는 것이 없다고 있다면 없다.		b) Self-Confidence				
(iii)	a) Self-Motivation	8	d) Self-Management	Ŏ			
	a) Self-Motivation c) Self-Control The controls the	ne flow of data fr	마음 그렇게 되었다. 그는 그는 사람이 되었는 그 사람들이 가장 하는 사람들이 되었다. 아니라 사람들이 되었다.	memory to			
(iii) (iv)	a) Self-Motivation c) Self-Control The controls the output devices.	ne flow of data fr	d) Self-Management	memory to			
	a) Self-Motivation c) Self-Control The controls the	ne flow of data fr	d) Self-Management om the input devices to memory and from	n memory to			
	a) Self-Motivation c) Self-Control The controls thoutput devices. a) RAM	ne flow of data fr	<ul> <li>d) Self-Management</li> <li>om the input devices to memory and from</li> <li>b) Monitor</li> </ul>	n memory to			

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(v) is the process of	strengthening	the sk	cills and knowledge of budding a	and existing
entrepreneurs by hand holding the	m during their e		병생이 되었다. 이 이 경영에 보이 생각 사용을 이라고 말하다면서 그 사고 있다면 가입니다 중에 가입니다.	1
a) Innovation	$\geq$		Entrepreneurship development	$\mathcal{Q}$
c) Economic development	$\mathbf{O}$	a)	Social development	
(vi) Expand the term CNG.				1
a) Common Natural Gas	Q	b)	Costly Natural Gas	
c) Compressed Nature Gas		d)	Compressed Natural Gas	
Answer any 5 out of the given 6 q	uestions	A	(1 × 5 =	5 marks)
(i) Which of the following is not a Sus	tainable Develor	oment	Goals?	1
a) Zero Hunger		b)	No Gadget	
c) Good Health & Well Being	Ō	d)	Quality Education	Ŏ
(ii) The Member States of the Uby 2030.	Jnited Nations	have	agreed to achieve	SDGs <b>1</b>
a) 16		b)	20	
c) 10	Ŏ	d)	17	$\sim$
(iii) Price comparison websites falls un	der which catego	orv?		$\overset{\smile}{_{1}}$
a) NLP		The William Street	Computer Vision	$\overline{\Box}$
c) Data Science	Ŏ		Machine Learning	
(iv) Which among the following is a sy human brain?	stem of Programs	The second second	Data-Structures that mimics the opera	tion of the
a) Intelligent Network		b)	Decision Support System	$\overline{\bigcirc}$
c) Neural Network	Ō	d)	Genetic Programming	$\widetilde{}$
(v) The job oflayer occurs in this layer.	is to acquire data	a and	feed it to the Neural Network. No p	processing
a) Input		b).	Hidden	
c) Butput			Last	Ŏ
(vi) Which of the following is not part o	of the 4Ws framev	work?		1
a) Which	Q	b)	Who	
c) What		d)	Why	Ŏ
3. Answer any 5 out of the given 6			(1 × 5 = !	5 marks)
(i) Name any 2 sources for collecting	j data.			1
a) Surveys and Rumours	$\geq$		AI models and applications	0
c) Imagination and Thoughts	$\mathcal{O}$	a)	Web scraping and sensors	
(ii) In a system map, if an arrow goes	from X to Y with	a –(mi	nus) sign, what does this mean?	1 1
a. If X increases, Y decreases c. If X increases, Y also increases	$\simeq$	ь)	The direction of relation is opposite	
(iii) Who is the father of Artificial Inte	lliacres2	u)	It is a bi-directional relationship	
a) John McCarthy	ingencer	b)	Mark Zukant	21/
c) Alan Turing	$\asymp$	ا (D)	Mark Zukerberg Nick Bostrom	2/4
			• • •	
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2.

Name any one disadvantage of AL			1			
increased Automation		b) Increased Productivity				
c) Smart Decision Making		d) Expensive Technology				
In classification, you teach the ma	chine to perform	n with what kind of data?	1			
(v) In classified		b) Large	0			
c) Complex	Ŏ	d) Continuous	Ō			
(vi) Which of the following carries the carry out voluntary or involuntary	signal from the movement?	brain or spinal cord to the organs, glands or n	nuscles to 1			
a) Sensory neuron		b) Motor neuron				
c) Interneuron	Ŏ	d) Neuron	Ō			
Answer any 5 out of the given 6	nuestions	$(1 \times 5 = 5)$	marks)			
		발매됐다고 있다면 하고 하고 하는 학생들은 하는 것이 되었다면 하게 없었다.	4			
(i) For any AI project to be efficient,	Control of the contro	b) Fast	Ó			
a) Relevant	$\simeq$	d) Inefficient	$\preceq$			
c) Small			$\sim$			
(ii) Data features refer to the	or data	b) Size	Ġ			
a) Relevance	$\simeq$	d) Size	$\simeq$			
c) Type			and to suitely			
(iii) is a rule-based A the help of various decisions (or		nelps the machine in predicting what an eleme	ent is with 1			
a) Decision Trees		b) Machine learning	$\overline{C}$			
c) Deep learning	$\sim$	d) Regression	Ŏ			
	allows the comp	outer to simulate conversation with a human beir	na. <b>1</b>			
a) Chatbot		b) Augmented Reality				
c) Virtual Reality	$\sim$	d) Internet of Things	Ŏ			
	elled after how	neurons in the human brain behave.	1			
a) Neural networks		b) Biological networks				
c) Artificial networks	$\sim$	d) Wireless networks	Ŏ			
(vi) Autonomous Weapons are also	known as		1			
a) Killer Robots	KIIOWII as	b) Automatic Robots				
c) Micro Robot	$\simeq$	d) All of these	$\sim$			
	,	(1 × 5 =				
용가 없는 그는 그 그리고 있다. 이 그리고 살아가는 아이를 하지 않는데 그 사람들이 아니는 생각을 살아가셨다. 요즘						
a) Computer Vision	cts in tront of it	b) Data Science	Ġ.			
c) NLP	$\simeq$	d) Data Mining	$\prec \land$			
		de for Action Statement (1997), and the Architecture of the Archit	$\mathcal{L}_{\mathcal{A}}$			
a) Climate Action	JAL 13 of the SD	b) Life Below Water				
c) Life on Land	$\times$	d) Gender Equality	NA THE			
7 Cile on Land		u) Genuer Equality	$\mathcal{A}$			
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		woder rest raper 1	200			

10	ii)	node in a decision	n tree						
/	a) Leaf node		b)	Branch node					
	c) Root node	$\sim$	Note that	Decision node	$\succeq$				
, (iv	) Each node of the hidden layer I	has its own		algorithm which it executes c	on the data rocci				
	by the input layer.		740		1				
	a) Machine learning		b)	Machine fed					
	c) Rule based		d)	AI	$\widetilde{C}$				
(v)		on continuous data	a. **		<u> </u>				
	a) Classification		b)	Regression					
	c) Modularisation	Ō	d)	Reinforcement	$\widetilde{\bigcirc}$				
(vi		e under Data Acqu	isition.						
	a) Sources of data			4Ws problem canvas	$\overline{\bigcirc}$				
	c) Data features	Ō	d)	Web Scraping	Ŏ				
	SECTION E	3: SUBJECTIV	E TYP	E QUESTIONS					
Ar	nswer any 3 out of the given				× 3 = 6 marks)				
6.	Mention any 2 advantages of v								
7.	Mention any 2 benefits of self-	: [18] [18] [18] [18] [18] [18] [18] [18]			2				
8.	8. What is an operating system? Give 2 examples of an annexity								
9.	Mention any 2 challenges of Er				2				
10.			<b>y</b> .		2				
An	swer any 4 out of the given (	6 questions in 20	0–30 w	ords each. (2	– × 4 = 8 marks)				
11.	Mention any 2 advantages of u	점심빛 물리가 없이 하이는 교실에 다면 그 것 같아 없었다. 그리고 네트리스 하셨다고 하다 요.							
12.	State the ways in which you can				2				
13.	Name any 4 data visualization t		foji Silavi sar Silavi		2				
14.	프로그램 경험을 보고 있다면 하다 내가 되었다. 사람들은 사람들이 되었다면 되었다.		n examp	le.	2				
15.	Mention 2 points to remember		A STATE OF THE STATE OF	그렇게 맛있다. 그 집에 가장하다 그 사람이 되었다면 하는 아이들이 되었다면 하는데	. 2				
16.	있다. 맛이 가지, 맛을 하고 못했다. 그는 사람이 있다면 하다는 것이 모양을 하고 있다면 하는데								
An	swer any 3 out of the given 5	questions in 5	0–80 w	ords each. (4 🗸	- 3 = 12 marks)				
17.	Explain the different features of			<b>\</b>	3 = 12 marks)				
18.	Explain the 3 domains of AI.		in and						
19.	Consider the following scenario	/ situations:			4				
4.7	An IT company received a lot of Urgent, Important and Business classify them properly which lead	as usual. The issue ds to delay in respo	e faced b onse.	y the operations is that they	categorized into vare not able to				
	Can you think of a classification s								
20.	What are the differences betwee		er and contract	Machine Learning approach	747				
21.	Explain the various stages involve	ed in AI project cyc	le.		· JA				
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