UNITED			FIRST MID SEMESTER		EVEN SEM 2		NO.	2	3	2	0	-	VIEST		+	
			IDDANCUL BCA					-	SER	MM	30	4				
		:2HRS	SUBJECT- Design and and	alysis of	SUBJECT CO	DE- CAU	CBC40	3T					Mini	. 30		
		algorithms SECTION -A (ATTEMPT ALL QUESTIONS)					1	5	со		TAKONE MR LEVE					
	-	3375 or 1	s meant by analysis of							T	1	CO1		K2		
1	A			aigo				-	_	_	+	1	001	1	K2	4
Т	8	What is Time Complexity?						1	CO	1	K1	_				
Т	C									1	COZ		K5			
1	D	If f(n)	=2" and g(n)=n2 then w	hich one is	langer Justi	a Pacu	THE W	Rela	tion	2		1	CO2		2 K2	
1	E	Write					HIGHE	C Tech	-			10				
7			SECTION -B (A	TIEMPI AN	I LIAL GOESI	101107		_	_	-	-	2	CO1		K2	
2	A	What	is an algorithm? Expla	in the featu	res of algorit	hms.		_	-	-	-	2	CC	01	K4	
1	В	Differ	ence between Posterior	ri and Prior	i analysis.					_	+	2	100	CO1 K1		
	500	Carro !	Master Theorem									-	100		1000	
	C	State	is the Recurrence Rela	tions? Evn	lain with suit	able ex	cample	e.				2	CC	02	2 K2	
	D	What	is the Recurrence Kela	tions: exp	de a	ada.					7	2	C	02	K5	
	E	for i	out the time complexity 1 to n inint("Hello World !!!")													
		1		-								2	0	OZ	KS	
		forfin	out the time complexit	y for the g	Aru Lzengo c	ode.							1		1	
		for(i=	ntf("United University	(")	PART FROM E	ACH Q	UESTI	ON)					5		1	
		for(i=	ntf("United University	(")	PART FROM E	ACH Q	UESTI	ON)	and o	Iraw	the		5	co	1 1	02
3	A	for(i= { Pri }	ntf("United University SECTION -C (ATTEMP) ribe the asymptotic not	T ANY ONE	PART FROM E	ACH Q	t exat	npie	and o	irav	the		_	co		C2 KS
3	A	for(i=	ntf("United University SECTION -C (ATTEMP) ribe the asymptotic not	T ANY ONE	PART FROM E	help o	he fol	lowin	g re	curr	ence		5	cc	01	KS
3		Description of the print of the	ntf("United University SECTION -C (ATTEMP) ribe the asymptotic not out the complexities u ions. (n) = 3T(n/2) + n ²	T ANY ONE ations in d sing the M	PART FROM E etail with the laster theorem	help o	he fol	lowin	g re	n/2)	+ n	2	5	cc		
		Description of the print of the	ntf("United University SECTION -C (ATTEMP) ribe the asymptotic not out the complexities u ions. (n) = 3T(n/2) + n ²	T ANY ONE ations in d sing the M	PART FROM E etail with the laster theorem	help o	he fol	lowin	g re	n/2)	+ n	2	5	CC	01	KS K2
3	В	Description of the print of the	ntf("United University SECTION -C (ATTEMP) nout the complexities usions. n) = 3T(n/2) + n ² ain the space complexity usions the complexity usions the complexity usions.	T ANY ONE ations in d sing the M b) T(n) =	PART FROM E etail with the laster theorem	help on for the logn le.	he fol	lowin	g re	n/2)	+ n	2	5	CC	01	KS K2
	В	Descrigraph Find equat a) T(Expla	ntf("United University SECTION –C (ATTEMP) ribe the asymptotic not out the complexities usions. (n) = $3T(n/2) + n^2$ in the space complexity usion. $T(n)$	T ANY ONE rations in d sing the M b) $T(n) = 0$ ity with su ing the bac $T(n) = 0$ $T(n) = 0$ $T(n) = 0$	PARTFROM E etail with the laster theorem $27(n/2) + n$ intable example k substitution $n = 1$ $(n + n) + n$; $n > 1$	help on for the logn le.	c) T	lowin	4T(n/2)	+ n	2	5 5 5	0	01	KS
4	B A B	Descrigraph Find equat a) T(Expla	ntf("United University SECTION –C (ATTEMP) ribe the asymptotic not out the complexities usions. (n) = $3T(n/2) + n^2$ in the space complexity usion. $T(n)$	T ANY ONE rations in d sing the M b) $T(n) = 0$ ity with su ing the bac $T(n) = 0$ $T(n) = 0$ $T(n) = 0$	PARTFROM E etail with the laster theorem $27(n/2) + n$ intable example k substitution $n = 1$ $(n + n) + n$; $n > 1$	help on for the logn le.	c) T	lowin	4T(n/2)	+ n	2	5	0	01	KS K2
	В	Description of the price of the	ntf("United University SECTION -C (ATTEMP) ribe the asymptotic not the complexities usions. (n) = $3T(n/2) + n^2$ in the space complexition. $T(n)$ uss Bubble sort. Writes	TANY ONE rations in d sing the M b) $T(n) = 1$ ity with su ing the bac $= \begin{cases} 1 \\ 2T \end{cases}$ te down to	PART FROM E etail with the laster theorem $\frac{27(n/2) + n}{n + n}$ in $\frac{27(n/2) + n}{n}$ the essential	help of the logn le. steps	he fol c) T	lowin	4T(n/2)	+ n	e in	5 5 5	CC	01	KS K2
4	B A B	Descrigraph Find equat a) T(Expla Find Relat Discriber	ntf("United University SECTION -C (ATTEMP) ribe the asymptotic not the complexities unions. (n) = $3T(n/2) + n^2$ with the space complexition. T(n) United University SECTION -C (ATTEMP) The special content of the complexities union. T(n) The space complexity using the space complex	TANY ONE rations in d sing the M b) $T(n) = 1$ ity with su ing the bac $= \begin{cases} 1 \\ 2T \end{cases}$ te down to	PART FROM E etail with the laster theorem $\frac{27(n/2) + n}{n + n}$ in $\frac{27(n/2) + n}{n}$ the essential	help of the logn le. steps	he fol c) T	lowin	4T(n/2)	+ n	e in	5 5 5	CC	01 01 02 002	KS K2 K3
4	B A B	Descrigraph Find equat a) T(Expla Find Relat Discriber	ntf("United University SECTION -C (ATTEMP) ribe the asymptotic not the complexities unions. (n) = $3T(n/2) + n^2$ with the space complexition. T(n) United University SECTION -C (ATTEMP) The special content of the complexities union. T(n) The space complexity using the space complex	TANY ONE rations in desired the Month of th	PART FROM E etail with the laster theorem $= 27(n/2) + n$ intable example k substitution $= 1$ $+ n$; $= n > 1$ the essential me and space	help on for the logn le. on method steps	c) T	lowin (n) = give	4T(n/2)	+ n	e in	5 5 5	CC	01 01 02 002	KS K2 K3
4	B A B	Description Description Description Description Description Discription Discri	ntf("United University SECTION -C (ATTEMP) ribe the asymptotic not the complexities usions. (n) = $3T(n/2) + n^2$ in the space complexition. $T(n)$ uss Bubble sort. Writes	TANY ONE rations in d sing the M b) $T(n) = 1$ ity with su ing the bac $= \begin{cases} 1 \\ 2T \end{cases}$ te down to	PART FROM E etail with the laster theorem $\frac{27(n/2) + n}{n + n}$ in $\frac{27(n/2) + n}{n}$ the essential	help of the logn le. steps	c) T	lowin	4T(ecum	+ n rencode	e in	5 5 5	CC	01 01 02 002	KS K2 K3

UNITED			FIRST MID SEMESTER EXAM	EVEN SEM	2024-23 N	0.					779
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			COURSE (BRANCH) : E		SI	BJECT CO	DE- CAUIBC	401T		0	
TI	ME	2HRS	S SUBJECT-Machine learning				-	CO	BLOOM		
			SECTION -A (A	TTEMPT	ALL QUE	STIONS)				со	TAXON OMY LEVEL
			A SHOW	Carles 2					1	CO2	K3
1	A	What	at do you understand by re	Egression:	ment learn	ng?	7		1	COI	K2
	В	Defir	ine environment in terms	of remiores.	ment I				1	CO2	K4
	C	What	at are independent variable	les?			100		1	CO2	K1
	D	Wha	at is penalty in regulariza	August 17					1	CO1	KI
	E	Wha	at is training and testing of SECTION -B (AT	TEMPT AT	VY FIVE C	UESTIO	NS)		10		173
			SECTION -B (A1	TEMP1 AL	hine les	mino	Contract of the Contract of th		2	COI	K2
2	A	Exp	plain the data preprocessing	ng stage in ii	nachine ica	Inc. g.			2	COI	K2
	R	Des	scribe under fitting of a m	nachine learn	ning model.	The state of					
									2	CO2	K3
	C	Wh	nat is Lasso regression?					1		501	K3
				i with (austion.				2	CO2	
	D	Des	scribe simple linear regre	ssion with o	quation.	9			2	COI	1 K3
	E	Wh	nat do you understand by	bias in linea	r regression	A?					
									2	CO2	2 K2
	F	W	hat are features and label	in machine	icarning:			10210	4.0	1	1
			CATTEMPT A	ANY ONE P	PARTIFRO	M THRE	E QUEST	IONS)	15	_	1 KI
	S	CI	plain reinforcement learn	ing and its	terminologi	es.			5		
3	A	Exp	plain reinforcement real	ing and	2	ton?			5	CO)2 K4
	-	2373	hat are the different metr	rices for eval	luation of re	egression?				-	1 1/2
	P	***	at are are	A few trumps	with exami	le and vis	nal represe	entation.	5	CO	
4	A	Ext	plain linear regression ar	id its types	Vitti examp	TC III.	11 mahr	-	1	5 CC	02 K3
	_			- An made of the	liner regres	SSIOH HIOW	er m blance				01 K
	B	A Explain linear regression and its syptem. B Write and describe the steps to make a liner regression model in python. A What is the difference between supervised machine learning and unsupervised machine learning and unsupervised.								5 C	31
5	A	Wh	at is the difference bea		4	1	001 K				
		machine learning? Give examples. Explain the stages of process of machine learning.								5 C	001 K
	P	FX	plain the stages of proce								
	1					1		1	-	-	-
			- TOURS	CO1-22	CO2-25				-		
C	ON	IARK	KS DISTRIBUTION	K1-6	K2-12	K3-17	K4-12				
B	81.OC	OMS'	TAXONOMI						-		
D	IST	RIBU	UTION								
						7					

UN	IVE	PISTY PAST MID TERM 25			
		COURSE (SRANCH) - BCA/BCA-IBM	54	MESTE	
TH	AL.	ZHRS SUBJECT: Web Design - Advance SUBJECT CODE- CAUCHCAGGT		MM	36
		SECTION -A PATTEMPT ALL QUESTIONS)	5	60	2.00
	AT	What does a selectic element mean in HTML?	1 1	CO1	k
		What is the use of Bootstrap	1	COZ	K
		Give an example of the <mark> tag in HTML.</mark>	1	CO1	K
1	D		1	CO2	K
		What is the «axide» tag in HTML?	1	CO1	K
		SECTION -B (ATTEMPT ANY FIVE QUESTIONS)	10		
2	A	What is the purpose of the <figure> and <figcaption> tags in HTML?</figcaption></figure>	2	CO1	K
	В	What is text in cas. Give some example also?	2	CO2	K
	C	What are the uses of the <details> and <summary> tags in HTML?</summary></details>	2	CO1	K
	D	Write Boctstrap code to create a button with a primary color	2	CO2	K
	E	Write CSS code to make an image circular	2	COZ	K
		S/hy is the Smeta charset="UTF-8"> sag goortant in HTML?	2	CO1	K
		SECTION -C (ATTEMPT ANY ONE PART FROM EACH QUESTION)	15		-
3	A	What are the major differences between HTML and HTML5?	5	CO1	K
	B	What is the purpose of the <datalist> tag? Cive an example.</datalist>	5	CO1	K
A	A	What are the features and advantages of Bootstrap 5?	5	002	K
	B	What is color in cas, explain in detail?	5	CO2	×
5	A	What is the farm> element in HTML? Explain its input controls with an	3	CO1	1
	В	How can you create a dropdown menu using Bootstrap? Provide the code.	5		
-		CO MARKS DIS - RIBUTION CO1- 24 CC2- CO3- CO4-	COS-		
-	LCO	MS TAXONOLAY DISTRIBUTION K1- 05 K2- 09 K3- 02 K4- 01	KS.		

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	UNIVERSITY SEMI			MID	ER 2024-25			ROLL NO.				
-	-		COURSE	(BRANCI	H)- BCA/E	CA-IBM	-	SEA	MESTE	R-I		
	1	IME:2HRS	SUBJ	ECT- OPE SYSTE	CT- OPERATING SUBJECT CODE- SYSTEM CAUCHCART			MM. 30				
		SE	CTION-A	(ATTEMP	T ALL QI	JESTIONS)		5	co	BLOO TANO		
1	A	what is an Operating System?								K1		
	B	B Define multiprogramming.								KI		
	C	Define system	1	CO1	K1							
	D									KZ		
	E	Explain proce	ess in brief.	Direct.				1	COZ	K2		
				TEMPT /	NV FIVE	QUESTIONS)		10	COL	AL.		
2	A					QUESTIONS		2	001	K1		
	B	triseuss viitu		haring ex-	om			2	CO1	K2		
	C	Explain kerne	el in brief	maring syst	CIII.			2	CO1	K2		
	D		lel system in	brief				2	CO1	K2		
	E	Discuss any t	wo criteria fo	r comparin	o CPU-sch	eduling algorithm	e .	2	CO2	K2		
	F	Briefly explai	in different ki	nds of sche	dulers.	during argorithm		2	CO2	K2		
ī	S					OM EACH QUI	ESTION)	25				
3		The second secon						5	CO1	K2		
Ē	B				detiiii.			5	002	102		
4	A	Explain comp			em in detail			5	CO1	K2		
	B						nes indicated.	. 5	COZ	КЗ		
		B Suppose that the following processes arrive for execution at the times indicated. Each process will run for the amount of time listed.										
		Process /	Arrival Time	Bur	st Time							
		P1	0.0	8				1. "	10			
		P2	4.0	4					13			
		P3	1.0						1-			
			2.0	4		100			1			
		P4	2.0		Using FCFS scheduling algorithm calculate –							
		Using FCFS s	cheduling alg	orithm cal	culate -							
		Using FCFS s	cheduling alg	ound Time	culate -					1		
		Using FCFS s		ound Time	culate -				1			
		Using FCFS s i. Av ii. Av	cheduling algerage Turnar erage Waitin	g Time	perating sy	stem's service.		5	CO1	K2		
	A	Using FCFS s i. Av ii. Av	cheduling algerage Turnar erage Waitin	g Time	perating sy	stem's service.		5 5	CO1			
	B	Using FCFS s i. Av ii. Av	cheduling alg erage Turnar erage Waitin in any five se Process Com	g Time	perating sy	stem's service.	C04-00	_	-			