	Hal	I Ticket Number :]	r				
L	Cod	le: 7G16D								<u></u>		<u></u>				R-17	,	
		III B.Tech. II Se	mes	ter	Supp	oler	nen	tary	Exa	min	atio	ns N	Лау	/Ju	ne	2024		
		Ob	ojec	t O	rien			-		-	Co	nce	pts	6				
	Мс	ıx. Marks: 70			(Co	mm	ion f	o ee	E&I	ECE)					Tim	ne:3⊦	lours	
		wer any five full qu	vestic	ons k	by ch	oosii	-	ne q	uesti	on fr	om e	each	ı uni [.]	† (5:				
								NIT-										
1.	a)	Write short note or				•					•							7M
	b)	Explain merits and	l dem	herits	s of C)bjec	t Ori	enteo OR	d me	thodo	ology							7M
2.	a)	Compare Object b data and functions		•	•		•		ject	Orier	nted	Prog	gram	nmir	ng. E	xplain	how	7M
	b)	Write the difference		•					ays.									7M
	,								-									
0	-)				مم ما			NIT-I										
3.	a)	When do you use					•					•						6M
	b)	Explain function ov	verio	adinę	g and	i ope	erato	OVe OR	rioac	ling v	vith e	exam	pies	5.				8M
4.	a)	Explain operator o	verlo	adin	g wit	h the	e imp	leme	ntati	on of	com	plex	nun	nbe	rs.			7M
	b)	Illustrate runtime p	olym	norph	nism	using	g virt	ual fu	inctio	ons.								7M
5.		Explain the followi	na st	rina	hand	linas		NIT-II		evan	nnle							
5.		i. String length	•	•	racte	•					•	ariso	n				1	14M
								OR		Ū								
6.	a)	How to assign the							he cl	ass (durin	g the	e tim	ne o	f cre	eation of	of an	
		object to that class						•										7M
	b)	Write a java progra	am to	or cn	eckin	ig Ar	mstr	ong r	numc	er.								7M
							UN	IT-I	V									
7.	a)	Write an example	prog	ram	to cre	eate	threa	ads u	sing	Thre	ad cl	ass.						7M
	b)	Write a program to	o exp	lain 1	the p	roce	ss of	acce	essin	g inte	erfac	e va	riable	es.				7M
								OR										
8.	a)	What is multithrea	ding	and	what	are	the a	idvar	tage	s of	multi	threa	ading	g?				7M
	b)	Explain Creating P	Packa	ages	and	Acce	essin	g a P	acka	ige w	vith e	xam	ples	•				7M
							U	VIT-1	/									
9.	a)	List the types of b character streams	•				ream	s in j		Expl	ain a	any t	wo k	oyte	stre	eams 8	two	8M
	b)	Write a simple app					•		ng "l	LIKE	IPL	MAT	СНІ	ES"				6M
	/		, P	3.4		- r		OR	5					-				
10.	a)	Discuss the Life C	ycle	ofa	Threa	ad us	sing	a sta	te tra	insitio	on di	agra	m.					7M
	b)	Demonstrate the c	reati	on o	f an a	apple	et usi	ng ar	n exa	ample	e pro	gram	۱					7M

			Il Ticket Number :	R	-17]
		Cod	de: 7G262 III B.Tech. II Semester Supplementary Examinations May/J]
			Microprocessors and Microcontrollers (Electrical and Electronics Engineering)			
uice.			ax. Marks: 70 swer any five full questions by choosing one question from each unit (*********		3 Hours 3 Marks)	
UZTU-TU, WIII DE LIERIEU AS IIIAIPIACIICE.			UNIT–I	Marks	CO	BL
	1.		Explain the instruction set of 8086 microprocessors with suitable examples.	14M	CO1	L
	2.	a) b)	OR Explain various Addressing modes of 8086 microprocessor. Write an 8086 ALP to find the sum of numbers in the array of 10	7M	CO1	L
0		D)	elements.	7M	CO1	L
	3.	a) b)	Illustrate the D/A converter interfacing with 8086 μ P Interface DAC AD7523 with an 8086 CPU running at 8 MHz and write an	7M	CO2	L
			assembly language program to generate a sawtooth waveform of period 1ms with V_{max} 5V . OR	7M	CO2	L
	4.	a)	Discuss the following methods of data transfers (i) Polling (ii) Interrupt driven	7M	CO2	L
		b)	The DMA controlled data transfers are faster than the polling and Interrupt driven data transfers". Justify	7M	CO2	L
	5.	a)	UNIT–III Explain the pin structure of RS232C and discuss about voltage and current specifications of RS232C.	7M	CO3	L
		b)	Write an assembly language program to initialize 8251 and transmit and receive 100 bytes of data.	7M	CO3	L
	6.		OR Explain 8251 UART Architecture and it's functionality.	14M	CO3	L
Any revealing or identification, appear	7.	a)	With a diagram list the specific features of 8051	7M	CO4	L
		b)	Write an ALP to find square root of a numbers and store the result in R0 OR	7M	CO4	L
ζ j	8.	a)	Explain the bit contents of IE and IP registers.	7M	CO4	L
•		b)	Write an assembly language program to find the largest element from given array of data.	7M	CO4	L
			UNIT-V			
	9.	a)	Briefly explain about different data operations used in ARM processor.	7M	CO5	L
		b)	Explain the versions of ARM. Discuss ARM7 TDMI Features.	7M	CO5	L
			OR			
	10.	a)	What are the advantages of arduino controller	7M	CO5	L
		b)	Write the addressing modes of ARM microcontrollers.	7M	CO5	L