	F	all Ticket Number :												
												R-1	7	
		o de: 7G674 / B.Tech. I Semester Re	aular	8 SI I	nnle	ma	ntar	V Fv	ami	nat	ions		2022	
	1	D.ICCH. I SCHICSICI K	Disa						UTI	nui	10113	January	2022	
			(Corr			-)					
		ax. Marks: 70						r			••• 7	Time: 3		
	Ar	nswer any five full questior	is by cho		g one *****	•	estioi	n tror	n ec	icnι	unit (:	5x14 = 701	Marks)
												Marks	со	Blooms
				UNI	T–I									Level
1.	a)	Define Disaster and Haza	rd. Write			d note	e on	Natu	ral di	sast	er.	7M	CO1	L1
	b)	Explain the difference bet	ween ha	zard	and \	/ulne	rabili	ty wi	th ex	amp	les.	7M	CO1	L2
				OR	2									
2.	a)	How can we mitigate on the	he disast	ers ir	n the	envir	onm	ent?				7M	CO1	L1
	b)	How does capacity influer	nce disas	ter?	Expla	ain wi	ith e>	kamp	le.			7M	CO1	L1
				UNI										
3.	a)	How Earthquake is measure					•			•			CO2	L1
	b)	Explain the necessary ste disaster?	eps to be	avoi	d dai	ngero	ous e	pide	mics	afte	r a flo	od 7M	CO2	L2
				OR	2							7 101	002	LZ
4.	a)	List the activities that trigg	aer huma	-		disa	sters	5.				7M	CO2	L1
	b)	Describe the Bhopal Gas		-								7M	CO2	L2
	,			UNIT	[
5.	a)	Explain in detail about the	e impacts	of di	saste	er on	envii	ronm	ent.			7M	CO3	L2
	b)	Explain in detail about Re	cent Tre	nds ir	n Dis	aster	Man	ager	nent.			7M	CO3	L2
				OR	2									
6.	a)	How does climate change	e affect di	saste	ers?							7M	CO3	L1
	b)	Explain in detail about urb	oan disas			_						7M	CO3	L2
7	-)	Discuss the immentant sta		UNIT					h.aa.					
7.	a)	Discuss the important ste during recovery phase of	•				zxam	line t	ne pi	odie	m are	eas 7M	CO4	L3
	b)	Discuss key stages of Dis				•						7M	CO4	L3
	,	, ,	,	OR	2									
8.	a)	Explain the role and funct	ions of a	disas	ster r	nana	ger.					7M	CO4	L2
	b)	Discuss the principles of o	communi	ty ba	sed o	disast	ter m	anag	jeme	nt.		7M	CO4	L3
				UNI	Г–V									
9.	a)	Describe the role of susta								•			CO5	L2
	b)	Explain the need of quick r	econstrue			ologi	es in	disas	ster n	nana	geme	ent. 7M	CO5	L2
	、			OR								. .		
10.	a)	Explain the factors to be c a major disaster due to flo		a whi	lie pla	annin	g the	rebu	uidin	g wo	orks at		CO5	L2
	b)	Describe the role of lan		lannii	na a	nd d	evelo	opme	ent re	anis	ations		005	LZ
		disaster management.	P							9.0			CO5	L2
				*:	**EN	D***								

	На	Il Ticket Number :			-
C	Cod	e: 7GA71	R-1	7	
		3.Tech. I Semester Regular & Supplementary Examinations Jan	nuary 2	2022	
		Human Resource Management			
١	Лах	(Common to All Branches) . Marks: 70	lime: 3	Нои	rs
	Ansv	ver any five full questions by choosing one question from each unit (5x1)	4 = 70 N	1arks)
			Marks	со	Blooms
		UNIT–I	Marito	00	Level
1.	a)	Explain the nature and scope of human resource management			
		in the context of an organization.	7M	1,2	1
	b)	Discuss any three ethical issues faced by human resource		,	
		professionals with an example for each of them.	7M	1,2	2
		OR			
2.	a)	Write a short notes on competitive challenges influencing HRM.	7M	1,3	3
	b)	Discuss the functions of human resource management by			
		highlighting the operative functions and its strategic intent.	7M	1,4	3
		UNIT–II			
3.	a)	Elucidate the importance of human resource planning.	7M	1,4	3
	b)	Give different methods of collecting data for job analysis and			_
		compare any two of the methods.	7M	4,5	5
Λ	\sim	OR Evolution in datail about Human Descurse Information evotome			
4.	a)	Explain in detail about Human Resource Information systems and its applications in business world.	7M	3,5	4
	b)	What is job design? Present any three techniques of job design.		3,4	4
	,			0,1	
5.	a)	L&G is an IT based start-up company that opts for campus			
		recruitment. If you are a HR specialist of L & G, what process			
		you will you recommend for the recruitment of fresher's.	7M	4,5	6
	b)	Explain any three factors that affect the selection decision			
		outcomes.	7M	3,4	4
-		OR			
6.	a)	Narrate the process of recruitment with appropriate steps and	-78.4		-
	ь)	examples.	<i>i</i> M	1,4	5
	b)	Develop an orientation program for the undergraduate students of any degree program.	7M	3,4	6
			7 111	5,4	0

Code:	7GA71
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			ode:	/GA/I	
		UNIT–IV			
7.	a)	Compare the different types of training.	7M	1,3	2
	b)	What is development? What are the factors influencing			
		executing development in an organization.	7M	2,3	6
		OR			
8.	a)	Explain different ways an organization can support employees			
		in career advancement.	7M	2,5	5
	b)	How can training helps employees in career progression in the			
		organization?	7M	3,5	5
		UNIT–V			
9.	a)	Elucidate the procedure for arriving at the compensation for a			
		job role.	7M	2,3	4
	b)	Explain the grievance handling procedure with the help of			
		organizational related grievances.	7M	3,4	5
		OR			
10.	a)	Distinguish between monetary and non-monetary perquisites			
		and give three examples for each of them.	7M	4,5	4
	b)	Give the importance of collective bargaining and state reasons			
		why maintaining cordial employee-employer relationship is			_
		needed.	7M	4,5	5
		****FND****			

****END****

Hall Ticket Number :			
Code: 7G576	R	-19	
IV B.Tech. I Semester Regular & Supplementary Examinations Management Science (Electrical and Electronics Engineering)		-)22 Iours
Max. Marks: 70 Answer any five full questions by choosing one question from each unit (*********			
UNIT–I	Marks	со	Blooms Level
 Explain in detail, the evolution of Management Thought. OR 	14M	1	2
2. Explain in detail, the different types of Organisation Structures	14M	1	2
UNIT-II 3. Examine in detail, the objectives, need and methods of Inventory Management. OR	, 14M	2	3
4. Examine in detail, the concept of product life cycle with suitable examples	14M	2	3
UNIT–III 5. Explain in detail, the significance and functions of a HR MAnager OR	14M	3	2
6. Explain in detail, the process of Recruitment and Selection.	14M	3	2
UNIT-IV 7. Explain in detail, the various sources of financing. OR	14M	4	3
8. Explain in detail, the process of Project Management.	14M	4	3
9. Examine in detail, the concept of ERP. OR	14M	5	3
 Examine in detail, the significance of ethics in business. ***END*** 	14M	5	3

	Н	all Ticket Number :											
		de: 7G271									R-17		
	IV Mc	AB.Tech. I Semeste xx. Marks: 70 swer any five full que	Pow (Electric	er S cal c	ind E	icondu Electron g one qu	ics Er	r Drives ngineerir	ng)	T	ime: 3 ł	Hours	
						******					Marks	со	Blooms Level
					UN	IT–I							
1.		Discuss the operation excited dc motor for co current waveforms.	•	•		peration a						CO1	BL2
2.		Derive the output volt Three phase semi cor	•			ed dc ser	•	•	haracte	ristics o	f 14M	CO1	BL3
3.		Discuss the Multi-quad	Irant opera	ation			l drive	s with suit	able app	lication.	14M	CO2	BL2
					0	R							
4.		Discuss the Four qua	drant ope	ratio			rs by o	dual conve	erters.		14M	CO2	BL2
5.	a) b)	Discuss the Two Qua relevant waveforms. A DC Series motor fee parameters. Ra=0.05 current of 200A ripple	d from 40 5 ,Rf=0.9	0Vdo 07,	c sou k=5'	Гуре В с rce throu *10 ⁻³ Nm	gh a c /amp2	chopper, h 2. The av	as the f	ollowing	7M	CO3	BL3
		Determine i)Input po				e		otor spee	d		7M	CO3	BL3
6.		Discuss the operation	of four q	uadra	ant ch UNI ⁻		d dc s	separately	excited	l motor.	14M	CO3	BL2
7.	a)	Discuss the operation	of static	sche	rbius	drive sys	stem v	vith neat s	sketch.		7M	CO5	BL4
	b)	Explain stator voltage	speed co	ontrol			notor.				7M	CO5	BL2
0	-)				0						71.4		
8.	a) b)	What is the necessity Distinguish between \$				•		ramers di	rive			CO5 CO5	BL2 BL4
	0)	Blotingulon between t			UNI				100.		7101	005	DL4
9.		Discuss the operation	of VSI Fe	ed sy	nchro	onous mo	otor di	rive.			14M	CO5	BL2
					0								
10.		How the load commu motor .Discuss briefly		erter		e emplo **END**	-	or starting	of sync	hronous		CO5	BL2

	Ha	Il Ticket Number :			1
L	Coc	de: 7G273	R-19		
	IV	B.Tech. I Semester Regular & Supplementary Examinations Janua	ary 20)22	
		Distribution of Electric Power			
	Ma	(Electrical and Electronics Engineering) x. Marks: 70	ne: 3 H	lours	
		wer any five full questions by choosing one question from each unit ($5x14 =$			
		*****			Blooms
			Marks	CO	Level
		UNIT-I			
1.	a)	What is meant by load factor and loss factor? Obtain the relationship between load factor and loss factor	7M	1	1
	b)	Discuss how the factors affecting distribution system losses.	7M	1	2
	5)	OR	7 1 1 1		L
2.		Classify different types of loads and draw their characteristics in detail	14M	1	4
		UNIT-II			
3.	a)	List the design and operational aspects that affects the primary feeder			
	ŗ	voltage level	7M	2	1
	b)	Discuss the coordination procedure between fuse and a circuit breaker	7M	2	2
		OR			
4.	a)	List out types protective devices used and explain principle of operation of	7M	2	1
	b)	any two protective devices Discuss briefly the design considerations in distribution system	71VI 7M	2	1 2
	0)		7 111	2	2
5.	a)	Explain indoor and outdoor substation and list out its merits and demerits.	8M	3	1
0.	⊆, b)	Show that if the voltage drops are limited, six feeders can carry only 1.25	om	Ū	
	- /	times as much load as the four feeders	6M	3	5
		OR			
6.	a)	Discuss about double bus bar with two circuit breakers	7M	3	2
	b)	Derive the relationship for power loss and voltage drop for substation		•	0
		service area with 'n' primary feeders	7M	2	6
7.	a)	UNIT-IV How do you justify economically the connection of capacitors for the			
7.	a)	improvement of p.f.	7M	4	5
	b)	A 3 phase, 5 kW induction motor has a power factor of 0.85 lagging. A bank			
		of capacitor is connected in delta across the supply terminal and power			
		factor raised to 0.95 lagging. Determine the kVAR rating of the capacitor in each phase?	7M	4	5
		OR		•	Ū
8.	a)	Write the causes for low power factor in power system	6M	4	2
	b)	A 3 phase transformer rated 7000kVA and has a over load capability of 125% of			
		the rating. If the connected load is 1150 kVA with a 0.8p.f. (lag), determine the			
		following (i) the kVAR rating of shunt capacitor bank required to decrease the kVA load of the transformer to its capability level (ii) the p.f. of the corrective			
		level (iii) the kVAR rating of the shunt capacitor bank required to correct the			_
		load p.f. to unity.	8M	4	5
0	2)	UNIT-V	01/1	F	2
9.	a) b)	Explain the various factors affecting the distribution system planning	8M 6M	5 5	2 2
	b)	Discuss about substation expansion OR	OIVI	5	2
10.		Discuss different types of distribution system planning models.	14M	5	2
		END		-	-

	Ha	all Ticket Number :													-
	Coc	le: 7G373	I		_1	_	k				.1		R-17	/	
		B.Tech. I Semeste	er Reg	ular	& Su	pplem	nentai	гу Ех	am	inať	ions	Janu	ary 2	2022	
						gnal P							-		
			(Electi	rical o	and I	Electro	nics Er	ngine	eerir	ıg)					
		k. Marks: 70 wer any five full que	stions k	by cho		g one c *******	-	n fro	m ec	ι hoc	unit (ne: 3 = 70 M		
				_									Marks	со	Blooms Level
						IT–I									
1.	a)	Determine the resp	•			-	/stem c	descr	ibed	by t	he li	near			
		constant coefficient		-	-	n:									
		y(n)-2y(n-1) +2y(n-2)		•		iono orr	o y(1)	v()					01	1	10
	۲	where $x(n) = (2)^n u(n)$					• • •	• •		ortio	~		8M	1	L3
	b)	Prove Circular Conv	olution	and C	omp ا O		ijugale	DFI	prop	ente	S.		6M	1	L4
2.	a)	Give Comparison be	etween	CTFT			-т.						7M	1	L5
	b)	What do you mean by						s with	n suita	able e	examp	les?	7M	1	L1
	,					IT–II					•				
3.	a)	Calculate DFT of the	sequenc	e x(n)	= {1,2	,3,4,4,3	,2,1} usi	ng Dl	IT-FF	T alg	orithm	ı.	10M	1	L6
	b)	What is Twiddle Fac	ctor and	its im	porta	ance in	FFT?						4M	1	L1
					Ο										
4.		Explain in brief abo decimation in freque	•	edura	l step	os invol	ved in	decir	natio	n in	time	and	14M	1	L4
			Ĵ		UNI	T–III									
5.	a)	Determine cascade	& direc	t form			n for fol	llowir	ום sy	stem).				
		Y(n)=-0.7 y(n-1)+0.	5 y(n-1)) +0.7	x(n)-	0.1 x(n	-2)						8M	2	L3
	b)	Describe IIR Filter d	esignin	g and	reali	zation.							6M	2	L1
					0										
6.	a)	Discuss about differ	ent ana	log to	digit	al trans	formati	on te	chnic	ques			6M	2	L5
	b)	Discuss Butterworth	filter a	pproxi			iod.						8M	2	L2
						T–IV									
7.	a)	Enlist different wind						stics	•				8M	2	L1
	b)	Explain the characte	eristics	of FIR	-		3						6M	2	L2
8.	a)	Design a Filter if H	d(ejw)=	e ^{-j3w}	O ; - /		/4								
				0	;	/4 v	V								
		Using Hanning Wind	dow for	N=8									10M	2	L6
	b)	Give a comparative	analysi	s of II	R & F	-IR Digi	tal filter	'S					4M	2	L5
						T–V									
9.	a)	What are the major				•		· ·	•		riefly		7M	3	L1
	b)	Explain about D/A c	onversi	on in :	signa O	•	ssing a	pplica	ation	S.			7M	3	L2
0.	a)	Describe spectral ar	nalysis	of non			signals i	in DS	SP.				7M	3	L1
	b)	Discuss signal com	pressio	n tech	nniqu	es.							7M	3	L4