Hall Tic	cket	Number :													F			-
Code: 4	G17	1	1	1	1	L	1	I	1	I	1	1]			R-	14	
	IV	B.Tech. I	Sen	nest	er R	legu	Jar	Exa	min	atio	ns N	lov,	/D	ec	20	17		
			Do	ata	Wai			-			ning	g						
Max. M	arks	: 70			(\mathcal{L})	DITIT	ion t	0 C.)					Tir	ne: 3	Hour	S
Answer	all	five units k	oy cł	1005	sing		que *****		n froi	n eo	ach	unit	(5	5 x 1	4 =	70 N	\arks)
								UNI	T—I									
1.	a)	Use the t 200,300,4					to n	orma	alize	the f	ollow	/ing g	gro	oup o	of da	ata:		
		i) Min-r ii) Z-no				tion k	oy se	tting	min=	=0 ar	nd ma	ax =1	1					4M 4M
	b)	What is d				cplair	n var	ious	data	mini	ng ta	isks.						6M
					-			C	DR		-							
2.	a)	Discus va	ariou	s Nu	mero	sity r	educ	ction	meth	ods								7M
	b)	Discuss v	ariou	is mi	ssing	ı valu	ie flli	ng m	etho	ds								7M
													_					
3.	a)	Compare				•				•				ata v	/var	e Hou	ise	7M
	b)	Discuss a	ibout	sche	emas	for I	viulti		ensio)R	nal L	Datat	bases	S					7M
4.		Explain a	priori	algo	rithm	n with	ı exa											14M
		•		U				UNIT										
5.	a)	Explain lir	near	and r	non-l	inear	regr	essio	on m	etho	ds							7M
	b)	Write abo	ut K-	Near	est c	lassi	fiers											7M
									DR									
6.		Explain B	ack p	propa	gatio	on alg	-			_								14M
7.	a)	Explain k	.mea	ns al	aorit	hm		UNIT	-IV									7M
7.	b)	Apply k-m			•		d finc	l cen	troid	s tak	in A	& R 2	as	a ini	itial	centr	nids	7101
	0)	A(1,2),B(•										u iii	niai	00110	0100	7M
				, ,	. , .	X	,,		DR	,,	. ,	、	,					
8.	a)	Categoriz	e ma	ijor c	luste	ring a	algor	ithm	S									7M
	b)	Discuss c	outlier	ana	lysis													7M
9.	a)	Write abo		Ū			wide	e wel	C									7M
	b)	Write abo	ut sp	atial	mini	ng		_										7M
10.	a)	Write abo	ut M	ultim	edia	Data	hase		DR									7M
10.	b)	What are							eval									7M
	0)	What are	5000	- 110	asure		**		Jvai									7 1 1 1

_ () od	le: 4G172	
	.00	IV B.Tech. I Semester Regular Examinations Nov/Dec 2017	
		Enterprise Programming	
		(Common to CSE & IT)	
	-	x. Marks: 70 Time: 3 Hours	
/	405	wer all five units by choosing one question from each unit (5 x 14 = 70 Marks)	
		UNIT–I	
	a)	How to handle HTTP requests & response? Explain in detail with an example program.	7N
	b)	Write a note on client/server model.	7N
		OR	
	a)	Explain how to install & configure PHP.	7N
	b)	What makes PHP a choice among other scripting languages?	7N
		UNIT–II	
	a)	Write a PHP program to create login page	7N
	b)	Write a PHP program that gives the number of occurrences of the expression in a string	
		using functions	7N
		OR	
		Explain, (a) Class	
		(b) Object	
		(c) Interface	14N
	a)	Explain why cookies are becoming less trusted.	7N
	b)	How to set a cookie on user computer? Explain with an example.	7N
		OR	
	a)	Write a PHP program to submit values using superglobals and globals.	7N
	b)	Explain briefly how to redirect the HTTP headers to different locations.	7N
		UNIT–IV	
	a)	Explain briefly about the model view controller architecture.	7N
	b)	Explain the function used to connect to a MySQL database.	7N
	`		
	a) ⊾)	How to perform a query in PHP? Explain with PHP code.	7N
	b)	Explain briefly the three components of MVC architecture.	7N
	2)	UNIT-V Explain briefly about the GET and POST methods	7N
	a) b)	Explain briefly about the GET and POST methods Write a note on Client-Driven Communication in detail?	71V 71V
	5)	OR	710
	a)	Discuss about tooltips?	7N

Hall	Tick	et Number :	
Code	: 4G	174 R-14	4
	I	V B.Tech. I Semester Regular Examinations Nov/Dec 2017	
		High Performance Computing	
Max.	Mai	(Computer Science and Engineering) ks: 70 Time: 3 H	ours
		five units by choosing one question from each unit ($5 \times 14 = 70$ Mar	
		******* UNIT–I	
1.	a)	Define HPC? List its advantages.	31
	b)	Explain security issues in Distributed Computing and Parallel Computing?	111
	,	OR	
2.	a)	What is Parallel Computing? Give example.	41
	b)	Explain about complexity measures in Parallel computing?	10
		UNIT–II	
3.	a)	Define HPDC? Why we need it?	4
	b)	Explain the importance of different Attributes of clusters.	10
		OR	
4.		Briefly explain differences between Grid Computing and Cloud Computing?	14
F	c)	UNIT-III	c
5.	a) b)	Explain Service Provider role in Web Services?	61 81
	b)	What is the relation between web services and SOA? Explain in detail. OR	O
6.	a)	What is the need of web services? Explain.	51
0.	b)	Distinguish between SOAP and REST with suitable diagram?	91
	2)		0.
7.		Define OGSA? Why we need to provide security to it? List and explain the	
		security issues of the same.	14
		OR	
8.	a)	What is Data Center? Mention any three Data Centers names?	3
	b)	Explain about Domain Specific services in OGSA?	11
9.		UNIT-V What is OGSI?	3
9.	a) b)	Explain about Hosting Environment in GLOBUS GT3?	اد 11ا
	5)	OR	11
10.	a)	List out Advantages and disadvantages of GLOBUS GT3?	4
10.	b)	Explain about Grid Services Container in GLOBUS GT3?	10
	~)	***	

Hall T	icket	Number :														
Code:	4G47	2						1		<u>]</u>		<u> </u>			R-14	
IV B.Tech. I Semester Regular Examinations Nov/Dec 2017																
Mobile Communications																
Max. N	Narks			(Со	mm	ion t	o C	SE &	IT)				т	īme: 3 Hou	rc
			by cho	oosir	gc		que *** <u>*</u> *		n froi	m eo	ach	unit	(5)		= 70 Marks	-
								UNI						-		
1.	. a)	neat skete	ch?			•				chite	cture	of M	lobil	e Co	mputing with	7M
	b)	How radio	o interfa	ace v	vorł	ks w	ith G									7M
	,								DR	_						
2.	,	How Loca				•				•	lain.					7M
	b)	Describe	the mo	obility	ma	anag	leme			/1?						7M
3.	. a)	How can t	the tun	nelir	αa	nd e	ncar	UNI		be pe	erforn	ned i	n m	obile	IP? Explain	. 7M
	. u) b)				•		•			•					•	. 7M
	 b) Explain mechanism for IP packet delivery using mobile IP concept 7N OR 															
4		Explain th	e MAC	C lay	er is	sue	s - H	idde	n and	d Exp	osec	d terr	nina	als, N	lear and Far	
		terminals	? Brief	the s	olu	tions	s for	the s	ame							14M
_								UNI								
5.	,	•	•							mobi	le is (disco	onne	ected	I? Discuss.	7M
	b)	Describe	the app	plica	ion	s of	MAN									7M
6.		Discuss h		oonir	а т		ooto		DR trong	nore	+ T(<u> </u>	nd	ovolo	vin the role of	¢
0.	. a)	foreign ag		•	•		acis	as a	trans	spare		JP a		expla	ain the role o	7M
	b)				ng a	algor	ithm	s in N	/ANI	ETs?	Also	des	crib	e ang	y one routing	
		algorithm	in deta	all.				UNI	F 11/							7M
7.	. a)	Explain ho	w powe	er ma	nag	eme	nt is o			EE80	2.11 i	nfras	struc	ture a	architecture.	7M
	b)	Draw Blue	-		•											7M
				•				(DR				•		-	
8		Explain in	detail	abo	ıt p	roto	col a	rchite	ectur	e of \	NAP.					14M
								UNI	T–V							
9.	. a)	What are in mobile				•		•		oecifi	ed to	reso	olve	data	abase issues	5 7M
	b)	Compare	in betv	ween	po	wer-	awa	re an	d co	ntext	-awa	re co	omp	uting)	7M
								(DR							
10		Classify mechanis				•	chan	isms					•		push-based	14M
							**	*								

Hall	Ticke	et Number :															
Code	e: 4(GA71	<u> </u>				[I	1	1	1	1	1			R-14	
	IV B.Tech. I Semester Regular Examinations Nov/Dec 2017																
Management Science																	
	(Common to EEE & CSE)																
Мах	Max. Marks: 70 Time: 3 Hours																
Ansv	Answer all five units by choosing one question from each unit ($5 \times 14 = 70$ Marks)																
							****	****			1						
	UNIT-I																
1.		Define management. Explain nature and significance of Management science. OR															
2.		Explain the p	orincipl	les o	f ma	nage	emen	t as d	outlin	ed by	/ Her	nry Fa	ayol				
										-11]						
3.	a)	Analyze the	feature	es of	diffe	erent	meth				ion.						
0.	,	-							•			uaad	hv	outon	nobil	o work obo	n
	b)	The following information is about the shock observers used by automobile work shop. Annual demand 4800 units, Unit price Rs 300 Cost of placing an order Rs.50, Storage cost 3 Percent per annum															
	Calculate: (i) EOQ (ii) Number of orders to be placed																
	OR																
4.																	
		each etage							JNIT-]						
5.		How the torn	a roori	uitmo	nt di	fforo	nt fra				Vhat	ara ti			o of	rocruitmon	+2
		How the term recruitment different from selection? What are the sources of recruitment? OR															
6.		What is hum	an res	sourc	e pla	annin	g? E	xplai	n the	hum	an re	sour	ce p	lannii	ng pr	ocess	
								ι	JNIT-	-IV							
7.		Discuss the f	actors	s influ	lenc	e on	work	ing c	apita	l req	uirem	nents	of a	a firm.			
									OR	2							
8.		Various activ	vities ir	nvolv	ed ir	n proj	ject a	are gi	ven k	below	/						
			Act			Opti	mist	ic	Mo	st lik	ely	P	ess	simist	tic]	
				ivity		time	e (To)	tim	e (T	m)		tim	e (TP)	_	
		-		-2			3			7				9		_	
		-		-3 2-4			5 2			9 5				13 7		-	
				2-4 2-5			<u>2</u> 1			3 3				6		-	
		-		<u>5</u> 8-4			8			12				14		-	
		-		8-6			6			9				8		-	
				-7			3			6				11		-	
		-		5-7			4			7				9		-	
		-		6-7			6			9				11		-	
		a) Draw a			work	diad	aram										
		b) Find ou					•	lete t	he pr	roiect	in 3) dav	s.				
		c) Find ou	•		-		•		•	-		•					
		,	- Г					-	JNIT	•]	2					
9.	a)	Explain the co	oncept	t and	sign	ifica	nce c	of ER	P.		-						

b) Explain the Importance of the TQM in organization.

OR

10. What is MIS? Explain characteristics and benefits of MIS

	-	et Number :	
Code	e: 40	G176 R-14	
		IV B.Tech. I Semester Regular Examinations Nov/Dec 2017	
		Software Project Management (Common to CSE & IT)	
Max.	. Mc	arks: 70 Time: 3 Hou	Jrs
\nsw	er a	If five units by choosing one question from each unit ($5 \times 14 = 70$ Marks)
		UNIT–I	
1.		Explain the evolution of waterfall model in detail.	14
		OR	
2.	a)	Explain in detail about the three levels of software economics.	7
	b)	Discuss conventional software management performance	7
		UNIT–II	
3.	a)	Describe construction and transition phase.	5
	b)	Write engineering artifacts available at lifecycle architecture milestone.	9
		OR	
4.		Explain in detail about the principles of modern software management.	14
_			
5.		Discuss in detail about work flows of a software process.	14
		OR	
6.	a)	Write about results of minor milestones in a modern process.	7
	b)	Justify the need of periodic status assessments.	7
7	-)	UNIT-IV	
7.	a)	What are the four component teams in a default line-of-business organization and their responsibilities?	7
	b)	What is the need of process automation? Explain.	7
	,	OR	
8.	a)	Discuss the conventional work breakdown structure issues.	7
	b)	With a neat diagram, explain the software project team evolution.	7
	,		
9.	a)	Explain management indicators	7
	b)	Define MTBF and maturity. Draw a graph for maturity expectation over a healthy project's life cycle.	7
		OR	
10.	a)	Illustrate the two dimensions of process discriminators	7
	b)	Explain next generation cost models in brief	7

Hall	Ticke	et Number :	
Code	e: 4(G173 R-14	
		IV B.Tech. I Semester Regular Examinations Nov/Dec 2017	
		Software Architecture	
May	Ma	(Computer Science and Engineering) arks: 70 Time: 3 Ho	urc
		all five units by choosing one question from each unit (5 x 14 = 70 Mark *****	
		UNIT–I	
1.	a)	With the help of block diagram of ABC (Architectural Business Cycle). Explain	
		in detail the different activities which are involved in creating a software architecture.	9M
	b)	Explain briefly the properties of a good software architecture design.	5M
	0)	OR	OW
2.	a)	Describe the Architectural structure of a system.	7M
	с, b)	Briefly explain, what does software architecture constitute?	7M
	ω)		
3.	a)	State the problem of KWIC. Propose Abstract data types and implicit	
		invocation styles to implement solutions for the same.	7M
	b)	Define architectural style? Mention any four commonly used styles.	7M
		OR	
4.	a)	Explain the advantages and disadvantages of pipes and filters in architectural style	7M
	b)	Discuss about table driven interpreters.	7M
		UNIT–III	
5.	a)	Explain the simple repository architecture for shared information with neat sketch.	7M
	b)	Discuss about database integration in shared information system.	7M
		OR	
6.		Explain in detail about Architectural design guidance world wide web case study. UNIT-IV	14M
7.		Discuss the motivation, applicability participants, collaborations, consequences and Implementation of Builder and singleton patterns.	14M
		OR	
8.	a)	Distinguish Architectural patterns and structural patterns.	7M
	b)	Explain patterns for distribution.	7M
		UNIT–V	
9.	a)	How Architectural information captured in an ADL.	7M
	b)	List the applications of ADL's system development. OR	7M
10.	a)	Discuss about reusing architectural asset within an organization.	7M
	b)	How to creating products and Evaluating a product line? Explain ***	7M