

R	leg	g. No:													
		SIDDH	ARTI	H INS	TITU	TE O	F EN	GINE	ERIN	G & 1	ГЕСН	INOL		TUR	
							(AU	TON	OMOU	(S)			0010101		
		B.Te	ch III	Year	I Sem	neste	r Sup	plem	entar	y Exa	mina	ations	s August-20	22	
					SOFT	WAR	E EN	GINE	ERIN	G & '	FEST	ING			
т	•	2.1		(Comp	uter S	cience	e & In	format	ion Te	echno	logy)			60
1	ime	e: 3 hours											May	C. Mark	KS: 60
	(Answer all Five Units $5 \times 12 = 60$ Marks) UNIT-I														
1	a	 Compare iterative enhancement model and evolutionary process model. Discuss the prototyping model. What is the effect of designing a prototype on the 											L2	6M	
	b	overall cost of the software project?										totype on the	L5	6IVI	
		OR													
2	a	Explain the spiral model of software development. What are the limitations of such model?												L2	6M
	b	b Explain the Halstead theory of software science. Is it significant in today's scenario of software development?												L5	6M
	UNIT-II														
3	a h	Differenti	ate fui	nction	al and	non-f	unctio	onal re	quiren	nents.	Ia it	accont	ial to follow	L2	6M
	D	Describe the various steps of requirements engineering. Is it essential to follow these steps?											L5	OIVI	
4	a What are the components of an activity diagram? Explain their usage w											age with the	L2	6 M	
	h	neip of an example. • Write short notes on Data dictionary											L6	6M	
while short notes on Data dictionary.														Lo	0111
5	a	What is design? Describe the difference between conceptual design and techn design.											and technical	L2	6M
	b	What is n	nodula	rity? I	List the	e impo	ortant j	proper Ol	ties of R	a mo	dular	systen	1.	L1	6M
6	a	• Define module coupling and explain different types of coupling.										L1	6M		
	b	If a module has logical cohesion, what kind of coupling is this module likely have with others?										lule likely to	L1	6M	
_	UNIT-IV														01
7	a	What 1s validation	softw	are te	esting?	Wha	at 1s	the d	leteren	ce be	etweer	n veri	fication and	LI	6M
	b	Define the	e follo	wing	termin	ologie	s:							L1	6M
		i) Error, N	Aistak	e, Bug	, Faul	t and l	Failure	e. ii) T	est, Te	est cas	e and	Test s	suite		
0	_	X 714 :- 41			6:			0	R		0			Т 1	\mathbf{A}
ð	a h	What is the Differenti	ne purj	pose o tween	integ	ration	testin	ig? HC	W 1S 11 system	testin	.σ			L1 1.4	6M
	U	UNIT-V												LŦ	UIVI
9	D	iscuss Rev	erse ei	nginee	ring a	nd Re-	engin	eering	5.					L6	12M
		OR													
10	a	Explain the	he foll	owing	softw	are m	ainten: ::	ance.	tivo or	hone	mont	mode	1	L2	6M
	b	What are	the a	aer	riate 1	revers	e engi	ineerii	nye el	ls? D	iscuss	any	two tools in	L1	6M
		detail.					0		0			5			
							**	** EN	D ***						