LIAII T	Tioks	t Number											1					
пан	TICKE	et Number :														R-14		
Code	: 4G	481														K-14		
IV B.T	ech	. II Semeste	er Ac	dvar							amir	natic	ons I	May	//Ju	ne 20	18	
							gn F											
A A a	.	l 70			(Cc	mm	on t	o CS	SE &	IT)				т	·	. 2 1.1-		
Max.		ks: 70 Il five units k	میر دا	2000	ina	one	aua	ction	fror	m 00	ach	unit	15		_	: 3 Ho		
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								UNIT	<u>-</u> I									
1.	a) What is the various way of organizing the design pattern? Explain							7M										
	b) How do we describe design pattern? What the consistent format being used in																	
	design pattern.										7M							
	OR																	
2.	a)	Explain how design pattern are different from frameworks											4M					
	b)	Why should	we a	bstra	act th	e pro	cess	of o	bject	crea	ation?	? Hov	v do	es G	UI F	actory		
		class helps i	in do	ing s	o?												10M	
							Į	JNIT	-II									
3.	a)	What do you	ı me	an by	/ forn	nattir	ng? E	Expla	in it								7M	
	b)	What are the	issue	es tha	it mus	st be	consi	dere	d whil	e imp	oleme	enting	prot	otyp	e pat	tern.	7M	
								OF	2									
4.	a)	Explain the	proce	ess o	f rec	ursiv	e co	mpos	ition	in bu	uildin	gad	locu	men	t		7M	
	b)	How single-	tone	patte	ern ei	nsure	e a si	ngle	insta	nce	? Exp	lain.					7M	
							Į	JNIT-	-III									
5.	a)	Discuss the	impo	ortan	ce of	impl	eme	ntatio	n in	com	posit	e pat	tern				7M	
	b)	Decorator p	orovi	des	a fl	exible	e alt	terna	tive	to s	sub	class	sing	for	exte	ending		
		functionality	.just	ify yo	our a	nswe	er.										7M	
								OF	2									
6.	a)	Discuss the			•	articip	oants	s, col	labor	ation	ns an	d sa	mple	e co	de of	f chain		
	of responsibility pattern.							7M										
	b)	Explain the i	imple	emen	tatio	n iss	ues c	of fly	veigh	nt pat	ttern.						7M	
_								JNIT-										
7.	a)	Explain the		•	•				•								7M	
	b)	Explain the o	conse	equer	nces	,impl	emer			l part	icipa	nts o	f an	itera	tive p	pattern	7M	
0	- \	Figure 1 of a constant			. 1 1			OF									71.4	ı
8.	a)	Explain vario		•				•									7M	
	b)	Discuss the		e imp	oleme	entat	ion is	ssues	s in te	empl	ate n	netho	od ai	nd w	/hen	is this	7M	l
		pattern used	J.					INIIT	17								/ IVI	
9.	a)	Enumerate a	any f	WO 0	onco	auor		JNIT-		attori	_						4M	1
Э.	,		•			•			•			and	com	nlo	codo	of the		
	 Explain the participants, collaborations, implementation and sample code of the mediator pattern. 									oi iiie	10M	i						
	OR																	
10.	a)													7M				
	b) How does window Imp class encapsulate implementation dependencies? Explain it 7M																	
	,	,																

Hall	Tick	et Number :	\neg					
Cod	e: 40	G487 R-14						
IV B	.Tec	h. Il Semester Advanced Supplementary Examinations May/June 20	18					
		Software Testing Methodologies						
		(Computer Science & Engineering)						
		Time: 3 Ho						
Ansv	wei	all five units by choosing one question from each unit (5 x 14 = 70 Mark	(5)					
		UNIT-I						
1.	a)	What is the difference between testing and debugging? Explain.	7M					
	b)	Describe Integration and System Bugs.	7M					
		OR						
2.	a)	Describe the Dichotomy Function versus Structure.	7M					
	b)	List and explain the factors on which the importance of bugs depends on.	7M					
		UNIT-II						
3.	a)	Differentiate Control Flow graphs versus Flow charts.	7M					
	b)	Discuss in detail about the Testing Blindness.	7M					
	,	OR						
4.		Define Path Sensitization and explain the Heuristic procedure for sensitizing						
		the paths.	14M					
		UNIT-III						
5.		List and explain various testing strategies for Data flow testing in detail.	14M					
٠.		OR						
6.	a)	What are the various complications in Transaction Flow graphs? Explain.	7M					
	b) Explain nice and ugly domains in detail.							
	,							
		UNIT-IV						
7.		Describe the procedure to find the maximum path count arithmetic of a given						
		graph using node reduction algorithm	14M					
		OR						
8.	a)	Define Path, Path Product and Path sum with examples.	7M					
	b)	Why the decision tables can be used as basis for test case design? Justify.	7M					
		UNIT-V						
9.	a)	List the principles to define whether the given state graph is a good or not.	7M					
	b)	What is connection matrix? Explain with an example?	7M					
	,	OR						
10.		What is state? Explain the state graphs and their transitions with a suitable						
		example and draw state table to the state graph.	14M					
