B.TECH SEM – V (2007 COURSE) (INF. TECH.) : SUMMER - 2018 SUBJECT: SYSTEM SOFTWARE AND OPERATING SYSTEMS

SUBJECTIONS	IEMI SOFI V	VARE AND O	ILKAIING	SISIFMIS

Day Date	:	Tuesday 22/05/2018	S-2018-2675	Time: 10.00 AM TO 01.00 Max. Marks: 80	0 PM				
N. B.	2) 3) 4)	Q. No.1 and Q. No.5 are COMPULSORY. Out of the remaining attempt AN TWO questions from Sections. Figures the right indicates FULL marks. Answer to both the sections should be written in the SEPARATE answer boo Assume suitable data if necessary.							
	SECTION-I								
Q.1	a)	Enlist and descri	be the components of syst	em software.	(05)				
	b)	Enlist and descompliers.	cribe features of mach	ine dependent and independent	(05)				
	c)	Enlist and descri	be the tools for program to	esting.	(04)				
Q.2	a)	Describe with s assembler.	uitable example the con	cept of back patching and cross	(07)				
	b)	Describe the specification.	fundamentals of langua	age processing and language	(06)				
Q.3	a)	Enlist and descri	be with suitable example	the compiler phases.	(07)				
	b)	Describe features	s of machine dependent ar	nd independent compliers.	(06)				
Q.4	a)	Describe subrout	ine linkages with an exan	pple.	(07)				
	b)	Describe debug r	nonitors.		(06)				
	SECTION-II								
Q.5	a)	Describe simple	batch systems.		(05)				
	b)	Describe process	definition control along v	with suitable example.	(05)				
	c)	Describe swappin	ng with an example.		(04)				
Q.6	a)	Describe multi-p	rogrammed batched system	m with suitable example.	(07)				
	b)	Describe virtual	machines with an example	÷.	(06)				
Q.7	a)	Explain with suit	able example deadlock de	tection and resolution.	(07)				
	b)	Describe inter pro	ocess communication with	n an example.	(06)				
Q.8	a)	Describe free spa	nce management with suita	able example.	(07)				
	b)	Describe segmen	ted paging with the help o	of suitable example.	(06)				
			* * *	* *					

* * * * *