GBGS SCHEME

15EC553

(08 Marks)

Fifth Semester B.E. Degree Examination, Aug./Sept.2020 Operating System

Time: 3 hrs.

Max. Marks: 80

	Λ	lote: Answer any FIVE full questions, choosing ONE full question from each m	odule.
		Module-1	
1	a.	Explain goals and key concerns of an operating system.	(00 Mayl
	b.	Describe Resource Allocations with diagram.	(08 Mark (08 Mark
	0.	2 obstract resource rinocutions with diagram.	(UO IVIAI K
		OR	
2	a.	Explain time sharing systems.	(08 Mark
	b.	Explain features of distributed operating system.	(08 Mark
		Module-2	
3	a.	Explain Operating Systems view of processes.	(08 Mark
	b.	Write note on: i) Process Control Block ii) Event Control Block.	(08 Mark
4	9	Explain Threads.	(0.4.3.4
7	a. b.	Perform FCFS scheduling and find average turn around time, average weighted	(04 Marl
	0.	time of given set of processes.	. turn arou
		Processes P1 P2 P3 P4 P5	
		Arrival Time (Sec) 0 2 3 4 8	
		Service Time (sec) 3 3 5 2 3	
			(06 Marl
	C.	Explain long, medium and short term scheduling in time sharing systems.	(06 Marl
		Module-3	
5	a.	Explain contiguous memory allocation technique.	(08 Marl
	b.	Explain concept of paging.	(08 Mari
			(00 111411
6	0	OR Everleit discount accion with discount	
6	a. b.	Explain demand paging with diagram.	(08 Marl
	U.	Explain FIFO page replacement policy.	(08 Marl
		Module-4	
7	a.	Explain with neat diagram file systems and IOCS.	(08 Mark
	b.	List and explain different file operations.	(08 Mark
		OP	
8	a.	Explain with neat diagram Interface between file system and IOCS.	(00 Movi
U	b.	Explain Allocation of disk space.	(08 Mark (08 Mark
	0.	Explain Miceution of disk space.	(UO Mark
		Module-5	
9	a.	Explain message passing and issues related to it.	(08 Mark
	b.	Explain with diagram mailbox and its advantages.	(08 Mark
		OR	
10	a.	Explain message passing implementation.	(08 Mark
	h	Describe Description at the deline	(00 ** *

b. Describe Resource stat modeling.

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.