11. (a) Explain process management in l	МАСН.	AQ – 1041			
	7	Third Semester M. Sc. (Part-II) (C.B.C.S. Pattern)			
(b) Explain Unix emulation in MAC	H . 6	Examination			
OR		(New Course)			
OK .	·	COMPUTER SCIENCE			
12. (a) Explain memory management in	MACH.	Paper = 3 MCS 4 (1)			
	7	Distributed Operating System			
(b) Explain communication in MACI	H. 6	P. Pages: 4			
(o) 2p		Time: Three Hours [Max. Marks: 86			
*		Note: (1) Assume suitable data wherever necessary (2) Illustrate your answer with the help of neat sketches. (3) Use only blue/Black ball point pen.			
	9	1. (a) Explain multiprocessor Time sharing systems			
	 	(b) Explain the following term:—			
		(i) Monolithic kernel.			
	ļ	(ii) Micro Kernel.			
	:	(iii) Migration transparency.			
	•	(iv) Parallelism transparency.			

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Q-	1041	2		AO-	-1041	3 PTO
•	•	1	V		(b)	Explain memory management in AMOEBA
(b)	(b)	Explain the concept of fault tolerance us Active replication.	ing 6		(ω)	and implementations.
5.	(ą)	Explain the Bidding algorithm.	7	10.	(a)	Explain Bullet server with its interfacing
				· .		OR
	(b)	Explain properties of Transaction.	7		(b)	Explain working of Run server.
4.	(a)	Explain Ring algorithm with example.	7	9.	(a)	Explain communication in AMOEBA.
		OR				
•		detection.	6		(b)	Write difference between page based DSM and object based DSM (any six).
(b	(b)	Explain the concept of centralized dead	ock	8.	(a)	Explain distributed file system designs.
3.	(a)	Explain the Bully algorithm with exam	ple.	_		OR
					(b)	Explain object based DSM.
		(iii) Virtual synchronous system.	9		a s	
		(ii) Loosely synchronous system.		7.	(a)	Explain Munin distributed shared memory
		(i) A synchronous system.				
	(b)	Explain the following terms:			(b)	Explain the time triggered protocol.
2.	(a)	What are the different goals of distrib system ?	outed 5	6.	(a)	Explain scheduling in distributed system is detail.