(a) Compare Client Server and RPC models.

http://www.g	nduonline.com
	Exam. Code : 208601
	Subject Code: 5221
M.Sc. I.T.	1 st Semester
MIT-102 : DISTRIB	UTED COMPUTING
Allowed—3 Hours]	[Maximum Marks—100
:— Attempt any <i>five</i> of equal marks.	questions. All questions carry
	yered protocols used for

What are various l communication in distributed systems? Expl in detail. 20

Time Allowed—3 Hours]

Note: -- Attempt any five

- (a) Explain group communication by taking an example. 10
 - (b) What are main motivations of distributed systems? Explain. http://www.gnduonline.com 10
- Explain the concept of atomic broadcast in distributed systems. 10
 - (b) Discuss the role of distributed consensus in 10 consistency.
- What is meant by election algorithm? How are election algorithms involved in maintaining coordination among threads?. 10
 - (b) Explain distributed system architecture in detail.

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	(b)	Discuss the concept of service replication in communication.	group 10		
6	. (a)	Describe the concept of security in distri- file system.	buted 10		
	(b)	What is meant by location transparency? Ex	plain 10		
7	. (a)	What is the concept of cache coheren distributed file systems? Explain.	ce in		
	(b)	Explain authentication and access controling implementing security in distributed system			
			10		
8	. Wri	Write short notes on the following:			
	(a)	DSM Architecture	10		
	(b)	Hardware issues of Distributed Systems.	10		
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