S.D.E.

B.C.A. SEM – II (CBCS - 2018 Course): SUMMER - 2019 SUBJECT: DATA BASE MANAGEMENT SYSTEM - I

Day: Date:	Frid 03/0	ay 95/2019	S-2019-4948	Time: 10.00 AM TO 1.00 PM Max. Marks: 70		
N.B.:	1)	Attempt ANY FOUR questions from Section - I and ANY TWO questions from Section - II.				
	2) 3)					
			SECTION	- I		
Q.1		What is transaction	n? Explain ACID propert	y of transaction.	(10)	
Q.2		Explain different recovery technique		BMS. Discuss checkpoint as a	(10)	
Q.3	a) b)	What are advantag What is multi prog	es of DBMS? ramming and multiproce	essing?	(05) (05)	
Q.4		Explain different f	ile organization techniqu	es used in DBMS.	(10)	
Q.5		Explain users of D	BMS with appropriate ex	xample.	(10)	
Q.6		Write short note or	n ANY TWO of the follo	owing:	(10)	
	a) b) c)	CODD's rules B+ Tree index Deadlock detection	n and prevention			
		SECTION - II				
Q.7		'Star' is an agency who are jointly v commercial purpos and builders are given i) Design	vorking. A customer cose. If customer is approac	as number of builders and agents an get a flat for residential or the through an agent, the agency of the agent. Study above case and	(15)	
Q.8		What is normalizat	tion? Explain 1NF, 2NF	and 3NF with example.	(15)	
Q.9		Define DBMS. Exp	plain advantages of DBN	AS over traditional file system.	(15)	