S.DE.

B.C.A. (2004 Course Sem- II: SUMMER - 2019

SUBJECT: DIGITAL COMPUTER DESIGN & COMPUTER ORGANISATION

Day Date	0	Thursday 02/05/2019		S-20	S-2019-4959		Time: 10.00 AM TO 1.00 PM Max. Marks: 80		
N.B.	1) Attempt any FIVE questions from Section – I and any TWO questions from Section – II.						questions fro	n	
	2) 3)		Figures to the right indicate FULL marks. Answers to both the sections should be written in SAME answer book					k.	
SECTION – I									
Q.1		7	What is shift re	egister? Expla	nin various types of s	hift register w	rith diagram.	(10)	
Q.2		Ι	Explain in deta	ail instruction	cycle.			(10)	
Q.3		a) S	Explain the ter Subroutines Complement o					(10)	
Q.4		,	What is micro-	-operation? E	Explain types of micr	o operations.		(10)	
Q.5]	Discuss in brie	ef machine lar	nguage and assembly	/ language.		(10)	
Q.6]	Define 1's and	2's complem	nent with suitable ex	amples.		(10)	
Q.7	}	a) I b) I	Write short no Memory unit Digital compu Assembler	·	WO:			(10)	
SECTION – II									
Q.8	;		What is Boole	ean algebra?	Discuss various ba	asic identities	of Boolean	(15)	
Q.9	,		With graphic logic gates.	symbol, alge	ebraic function, trut	h table, expl	ain different	(15)	
Q.10	0		Explain varior purpose of eac		as of assembly lang	uage with its	format and	(15)	

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