(i)	Pri	inted Pages: 3 Roll No	
(ii)	Qu	Sub. Code: 0 9 2 Exam. Code: 0 0 2	0 8
	В	Bachelor of Computer Applications 2nd Semester 1048	
8		COMPUTER ORGANIZATION Paper–BCA-16-202	
Time	All	owed: Three Hours] [Maximum Marks:	65
Note	-pq-	Attempt one question each from Sections A, B, C and Section E is compulsory. SECTION-A	D.
1.	(a)	What is Stored Program Architecture? Explain the limitation	ons
Printer.	(4)	of Stored Program Architecture.	6
	(b)	What are combinational blocks? Explain the working of 3-to-8 line decoder with the help of logic symbol, log diagram and truth table.	
2.	(a)	What is a flip-flop? What is the use of flip-flops? Explain the working of any two flip-flops.	ain 6
	(b)	Multiply-12 and –9 using Booth's algorithm.	7
		SECTION-B	
3.	(a)	What is addressing mode? Explain Direct, Indirect Displacement and Register addressing modes.	ct, 7

		Logic microinstructions. 6
4.	(a)	What is instruction Cycle? Explain with the help of a flowchart.
		7 Tachelor of Computer Anglican at 2 of Semester
	(b)	Explain Strobe based and handshake based communication.
		6 COMPUTERORGANIZATION
	e.Hi	SECTION-C
5.	(a)	What is memory hierarchy? Explain different types of
		memories used in a computer. 7
	(b)	Explain the working of Virtual Memory with the help of a
		diagram. 6
6.	(a)	What are the differences between Assembly Language and
		Machine Language? What is the use of pseudo instructions
		in Assembly Language?
	(b)	Write an Assembly Language program using subroutines to
		perform multiplication of two numbers. 7
		SECTION-D
7.	(a)	What is motherboard? List and explain various components
		attached on a motherboard. 5
	(b)	What is an Expansion card? Explain any three expansion
. 20		cards. See a second and the second second 8
		Displacement on Region with using markets

(b) What are microinstructions? Explain various Arithmetic and

8.	(a)	What are the various diagnostics performed on a P	ersona	
		Computer for its maintenance?	6	
	(b)	What is a computer virus? What are the various syr	nptom	
		that indicate infection of a PC by a virus? How vi	rus car	
		be removed from an infected computer?	7	
		SECTION-E		
9.	Attempt all questions:			
	(a)	What is a half adder?	2	
	(b)	Define Cache Initialization	2	
	(c)	Perform $(12)_{10}^+ (27)_{10}$ using 2's complement.	3	
	(d)	What is an instruction set?	2	
	(e)	What is cycle stealing in DMA?	2	
	(f)	What is boot sector virus?	2	