FIRST YEAR B. C. A. EXAMINATION

Moy ~2916 PAPER - 104: COMPUTER ORGANIZATION

TIME: 3 HOUR [TOTAL MAR		KS: 100]	
	0 E - 8053		
	Answer the following questions	20	
	Explain block diagram of computer in detail.		
2.	What is printer? Explain any 2 printers.		
	OR		
Q -1	Answer the following questions	20	
	Explain: Keyboard & Mouse.	_ ,,	
	Explain Hard Disk in detail. Differentiate Magnetic devices and Optical		
24.	Devices.		
Ω -2	Answer the following questions	20	
	Explain 1's and 2's complement with example.	0	
	Do as directed.		
۷.			
	1. (5411) 10=()8		
	2. $(170)_{8}=($		
	· · · · · · · · · · · · · · · · · · ·		
	3. (110111.110) 2=(
	4. (FFF)16=()10 5. 1101.101 – 100.11		
	OR		
Q -2	Answer the following questions	20	
	Explain character codes: BCD, ASCII, EBCDIC, UNICODE in		
	detail		
2.	Do as directed.		
	1. $(23.54453)_{10} = (?)_8$		
	2. (1101) * (111)		
	3. $(EA13)_{16} = (?)_8$		
	4. $(84AB. AB)_{16} = (?)_8$		
	5. (110110.100) + (1111.110)		
O -3	Answer the following questions	20	
	Explain De Morgan's Theorem		
	Explain 3X8 encoder in detail.		
	OR		
Q -3	Answer the following questions	20	
1.	What is Gate? Explain any three gates with truth table, graphical symbol		
	and Boolean function.		
2.	Give circuit and Truth table of: F=A'BC + ABC + A'B'C + A'B'C'		
Q -4	Answer the following questions	20	
1.	Write a note on JK Flip Flop and Buffer Register.		
2.	Explain general Micro Processor in detail		
	OR		
Q -4	Answer the following questions	20	
	What is register? Explain Shift register in detail.		
	What is the use of Counter? Explain 3 bit Synchronous counter.		
Q -5		20	
	Explain 2 stage and 5 stage pipeline in detail.	20	
1.	DAPIGHT 2 stage and 2 stage piperine in death		

2. Explain RISC and CISC in detail.

OR

Q-5 Answer the following questions

- 1. Explain instruction format in detail.
- 2. What is Addressing Technique? Explain any three addressing technique.

www.mkbuonline.com

20