## **Question Paper Code: 6500**

M.C.A. (Semester-II) Examination, 2018

## COMP. ORGANIZATION & ARCHITECTURE

[First Paper]

Time: Three Hours [Maximum Marks: 70

Note: Attempt five questions in all. Question No. 1 is compulsory. In addition attempt one question from each Unit.

- 1. Answer the following questions in brief: [3x10=30]
  - (a) What do you mean by Primary memory?
  - (b) Briefly define Magnetic tape.
  - (c) Draw labelled block diagram of Computer system.
  - (d) Differentiate between Volatile and Non-volatile memory.
  - (e) Describe basic laws of Boolean algebra.
  - (f) Explain 1's compliment and 2's compliment.
  - (g) Convert (11001011.01110), into decimal.

6500/100 (1) [P.T.O.]

	(h)	Describe ro	ole of Aritl	nmetic lo	gic unit.	
	(i)	What do yo	ou mean I	oy Addre	ssing modes	?
	(j)	What do yo	ou mean t	oy Instruc	ction format	?
UNIT-I						
2.	Describe in detail Direct memory access and its use. [10]					
3.	Briefly describe interconnection structure and interconnection.					d bus [10]
UNIT-II						
4.	What do you mean by RAID ? Explain RAID levels detail with suitable diagram. [1					vels in [10]
5.	Briefly describe Memory hierarchy used in Computer					
	system	1.				[10]
UNIT-III						
6.	-	describe eteristics and		functions. [10]		
7.	Briefly Operat		various	types	of Operand	s and [10]
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## **UNIT-IV**

Explain RISC and CISC architecture in detail. 8. [10]

9. What do you mean by Instruction cycle ? Describe instruction pipelining in detail. [10]

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