

**Details of E-Contents Prepared for Online Classes
Department of Computer Applications**

Sr. No.	Name of Faculty	Name of Subject	Topic Name	Sub Topic Name	Types of E-Content	Course Name	Year of Course	Link if Uploaded Anywhere
1.	Dr. Sanjeev Gangwar	Computer Organization NMCA - 215	Unit 4 Input/Output Organization	I/O interface and I/O ports	PDF	MCA 1 st Year, 2 nd Sem	2019-20	Shared via whatsapp
				Daisy Chaining, Pooling and Independent Requesting	PDF	MCA 1 st Year 2 nd Sem	2019-20	Shared via whatsapp
			Unit 4 Interrupts	Interrupt Hardware, Types of Interrupts and Interrupt Handling	PDF	MCA 1 st Year, 2 nd Sem	2019-20	Shared via whatsapp
			Unit 4 Modes of Transfer	Programmed I/O, interrupt initiated I/O	PDF	MCA 1 st Year, 2 nd Sem	2019-20	Shared via whatsapp
				Direct Memory Access	PDF	MCA 1 st Year, 2 nd Sem	2019-20	Shared via whatsapp
			Unit 4 Input/Output Organization	Input output Processor	PDF	MCA 1 st Year, 2 nd Sem	2019-20	Shared via whatsapp
			Unit 4 Serial Communication	Synchronous & asynchronous communication, Strobe Control and Handshaking	PDF	MCA 1 st Year, 2 nd Sem	2019-20	Shared via whatsapp
2.	Dr. Sanjeev Gangwar	Computer Organization NMCA - 215	Unit 5 Memory Organization	Basic concept of Memory and its hierarchy,	PDF	MCA 1 st Year, 2 nd Sem	2019-20	Shared via whatsapp
				RAM and ROM Chips , 2D & 2 1/2D Memory Organization	PDF	MCA 1 st Year, 2 nd Sem	2019-20	Shared via whatsapp
			Unit 5 Cache Memories	Concept of Cache Memory, Types of Cache Memory	PDF	MCA 1 st Year, 2 nd Sem	2019-20	Shared via whatsapp
				Mapping Process and its Types, Numerical Problems	PDF	MCA 1 st Year, 2 nd Sem	2019-20	Shared via whatsapp
			Unit 5 Auxiliary Memory	Concept of Auxiliary Memory, Types of Auxiliary Memory	PDF	MCA 1 st Year, 2 nd Sem	2019-20	Shared via whatsapp
			Unit 5 Virtual Memory	Demand Paging	PDF	MCA 1 st Year, 2 nd Sem	2019-20	Shared via whatsapp
			Unit 5 Memory Management Hardware	Paging and Segmentation	PDF	MCA 1 st Year, 2 nd Sem	2019-20	Shared via whatsapp

REFERENCE BOOKS:

1. COMPUTER SYSTEM ARCHITECTURE, MORRIS M. MANO, 3RD EDITION, PRENTICE HALL INDIA.
2. WILLIAM STALLING, “COMPUTER ORGANIZATION”, PHI