105/135

Comp. Org.

B.C.A. (Part-I) EXAMINATION - 2022

(Faculty of Science)

(Three-Year Scheme of 10+2+3 Pattern)

COMPUTER ORGANIZATION

Time Allowed : Three Hours

Maximum Marks: 100

No supplementary answer-book will be given to any candidate. Hence the candidates should write the answer precisely in the main answer-book only.

All the parts of one question should be answered at one place in the answer-book. One complete question should not be answered at different places in the answer-book.

Write your roll number on question paper before start writing answers of questions

PART - I 10x2=20Very short questions. What is computer architecture? What is a system clock in computer: What is an AGP slot? (c) What is palmtop computer? What is USB port? What is meant by memory the fer? What is stack pointer What is a microprocessor in computer What is DMA contoller? What is Auxiliary memory PART-II 5x4=20Short questions. What is Von Neumann Architecture? Explain with diagram. What are the main types of computer? Explain. What is ALU? Explain the operations performed by ALU. What is Virtual memory and how does it works? What is bus architecture and explain its types?

105/135

	PART - III	
Ŋ	What are the five generations of computer? Explain.	12
	OR	
	Write a short notes on:	4x3=12
	(a) Motherboard	
	(b) Plotter	
	(c) Random and Sequential access	
	(d) Tracks and Sectors	
/		
18,	What is instruction cycle and its steps? Explain with the help of diagram.	12
	OR	
	What is control unit? How does the control unit work?	12
9.	What is Register Transfer Language? Explain with example.	12
	OR	
	What are the types of instructions in Computer Architecture?	12
10.	What is the use of addressing modes? Explain the types of addressing modes.	12
	OR :	
_	What is memory hierarchy and why it is needed?	12
	and the second s	
11.	(a) Differentiate between Microprocessor and Microcontroller.	6
	(b) Explain the features of 8085 meroprocessor.	6
		ί,
	What are the different features of CISC and RISC architectures? Explain.	10
	Mile C.	12
	-000-	