

## Term Evaluation (Even) Semester Examination March 2025

		•	Roll no	
Jame of the Course: E	BCA			
emester: 4 <sup>th</sup>				
	omputer Organization			
aper Code: TBC 403				3.5 3 EO
ime: 1.5-hour			Maximum	Marks: 50
• •	e questions by choosing any carries 10 marks.	one of the sub-questions		
01			CO1	(10 Marks)
	organization and architectu	re. Explain the following	key blocks of	•
Architecture- 1. 2.	Central Processing Unit (C Peripherals	PU).		
b. Draw and explain	the block diagram of Von N	leumann Architecture and	l define Von Ne	umann bottleneck.
Q2. a. With a neat diagra	m, explain the Address, Dat	a and Control Bus in CPU		(10 Marks)
b. Describe the key to	OR echnology and characteristic	cs of 4 <sup>th</sup> and 5 <sup>th</sup> generation	ns of computers	•
Q3.			C02	(10 Marks)
	the flowchart of instruction OR	cycle of a Central Proces		
number o	as a clock speed of 3.2 GHz f instructions executed per s sk drive has a data transfer i	second (IPS).		•
Q4.			C02	(10 Marks)
a. Explain the worl	king of Three Bus Organization	tion of data path along wi	th diagram.	
	es of the Arithmetic Logic Ust during the execution of a s			a CPU. Explain
Q5. a. Draw and explain	the Micro programmable C	Control unit with one- leve		(10 Marks) control store.
h Dascriba tha arith	OR metic and logic operations t	hat aan hà narfarmad bre	a CDII Desvida	evennles of
	addition, subtraction, AND,			examples of