AI-1346 (018) B.C.A. PART-III (THREE) Examination MAR.-APR. 2021 Compulsory/Optional Group-

Paper-	
Name/Title of Paper- COMPUTER ORGANIZATION AND ARCHITECTURE Maximum Time:- Three Hours Minimum Passin	
Note: Attempt any five questions. All questions carry equal marks.	
1 Explain floating point arithmetic operations with example.	20
What is instruction? Explain types of instructions and operands with example.	suitable
2 Explain ALU design in detail. How the overflow handled by ALU? OR	20
Explain different types at designing controller.	
3 What is main memory? Explain its types with difference in detail. OR	20
What is virtual memory? How it is implemented?	
4 Explain different types of computer based on speed and type with the OR	neir uses.20
Explain different types of pipelining with suitable example.	
5 What is DMA? Why are need DMA? Write its advantage in detail OR	. 20
Explain tightly coupled MIMD architecture in detail.	