

K. J. Somaiya College of Engineering, Mumbai-77

End Semester Exam

December 2020

Max. Marks: 30

Duration: 1 Hr. 15 Min. (For attempting questions) + 15 min. (uploading)

Class: SY BTech.

Semester: III

Name of the Course: Computer Organization and Architecture

Branch: Computer Engineering

Course Code: 2UCC303

Instructions:

- (1) **All questions are compulsory**
- (2) **Draw neat diagrams**
- (3) **Assume suitable data if necessary**

Question No.		Max. Marks
Q.1	What is microprogrammed control unit? Draw and explain Wilke's microprogrammed control unit? OR Explain the different addressing modes with an example.	10
Q.2	What is virtual memory? Describe how a virtual address generated by the CPU is translated into a physical main memory address. OR Draw and explain the different RAID levels.	10
Q.3	What is DMA? Explain it with diagram. Also explain its various data transfer modes?	10