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NATIONAL INSTITUTE OF TECHNOLOGY GOA

Farmagudi, Ponda, Goa, 403401

Programme Name: B.Tech./M.Tech./Ph.D.

MINOR 1

Course Name: Microprocessors and Microcontrollers

Date: 02/10/2021

Duration: 1 Hour

Course Code:

Time: 8.00 to 9.00

Max. Marks: 25

ANSWER ALL QUESTIONS

1. Explain the difference between microprocessors and microcontrollers with the help of a neat Schematic diagram. 5M
2. Design a 8085 memory interface circuit to interface 32K of memory. You are provided with a) 8K RAM -2No.s
b) 16K RAM - 1 No. 15M
3. With a neat functional block diagram, explain how processor executes MOV M,A. Explain with all data paths. -5M