Seventh Semester B.E. Degree Examination, July/August 2021

15ME753

Max. Marks: 80 (04 Marks) (08 Marks) (04 Marks) (08 Marks) b. Explain the working principal of Hall Effect sensor and its application in fluid level (08 Marks) (04 Marks) (04 Marks) Explain with a block diagram the following with respect to general form of microprocessor (08 Marks) With the help of block diagram of 8085 A processor architecture. Explain terminologies (12 Marks) (04 Marks) (08 Marks) (08 Marks) (08 Marks) (08 Marks) (08 Marks) Explain briefly the following solid state devices which can be used to electronically switch (08 Marks) With the help of neat sketch, explain working principle of DC motor. (08 Marks) What is a mechanical actuator? List the various types of mechanical actuators. (08 Marks) (08 Marks) Explain briefly meter-out circuit. (08 Marks) b. CMRIT LIBRARY BANGALORE - 560 037 Explain briefly meter-in circuit. (08 Marks) 10 a. With neat sketch, explain pressure compensated flow control valve. (08 Marks)

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.