CBCS SCHEME

1 of 2

Module-4 Differentiate between CISC and RISC. Also explain 4 major rules of RISC design. (06 Marks) Explain ARM core data flow model with neat diagram. (08 Marks) b. (06 Marks) List and explain Registers of ARM processor. Differentiate Microprocessor and Microcontroller. (06 Marks) 8 a. (06 Marks) Explain pipeline mechanism of ARM. b. Explain ARM based embedded device, a microcontroller with neat diagram. (08 Marks) c. Module-5 (06 Marks) Mention and explain the salient features of ARM instruction set. 9 Explain instructions: b. v) ORR (10 Marks) iii) ROR i) MVN ii) LSR (04 Marks) Explain Barrel shifter with example. OR BANGALORE - 560 037 **Explain Instructions:** 10 (08 Marks) iii) LDR iv) LDM i) SMULL ii) BLX (04 Marks) Explain SWI Instructions. Explain instructions: iii) MRC (08 Marks)

i) MRS

ii) ADR