TE-Sem-V-Old-FXTC 19/5/15 logy MMC-I (OLD COURSE) acy QP Code: 3876 (3 Hours) [Total Marks: 100 N.B: (1) Question No. 1 is compulsory (2) From remaining answr any 4 questions. (3) Draw neat diagram wherever necessary. 5 1. (a) Explain RIM instruction in 8085. (b) Explain PSW in 8051 (c) Explain interrupt in 8051 in brief. (d) Describe the features of ARM7 processor. 2. (a) Draw the block diagram of 8253 timer/Counter & briefly explain the control (b) Draw and explain the interfacing circuit of 7 segment LED display with 10 8255 for 8085 microprocessor. 3. (a) Explain Internal data ram organization of 8051. 10 (b) Explain the following instructions of 8051. 10 1)MOVX 2)LCALL 3)MOV @RI,#OFFH 4)ADD 5)DJNZ 4. (a) Draw and explain the architecture of ARM processor. 10 (b) Explain the addressing modes of ARM processor with suitable example. 5. (a) Draw internal structure of TCON and TMOD SFR and explain. 10 (b) Explain PSW of 8051 Microcontroller with suitable example. 10 6. (a) Compare features of 89C51,89C52,89C2051and 89C2052. 10 (b) Draw the Timing Diagram for INR M instruction of 8085. 10 7. Write short notes on. 20 (a) Software Delay in 8085. (b) Flag register in 8085. (c) Modes of DMA data transfer

RJ-Con.: 9595-15

(d) Interrupt in 8085