

Code No: A5501 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD M.Tech I Semester Examinations, October/November-2011 MICRO CONTROLLERS FOR EMBEDDED SYSTEM DESIGN (EMBEDDED SYSTEMS)

Time: 3hours	Answer any five question	Max. Marks: 60
Α	ll questions carry equal ma	
 a. Explain the functional ov b. Explain the different type 		[12]
2. Explain the PIC 16C6X is	nternal Architecture.	[12]
3. a. Explain the PWM for 80. b. Explain how a timer/cour		[12]
4. a. Explain any five instructb. Explain the instruction for	1	ll function registers in 8051. [12]
5. a. Explain the interrupt vec b. Explain how the ISR's an	tors and their addresses in 8 re executed in priority mode	
6. Explain in detail the differences and specification standards between RS422 and APPLE TALK, RS435. Draw connectivity of RS422, Apple Talk, and RS435. [12]		
7. Explain Channels and IDM systems.	A simulations. Explain Deb	ugging procedures in embedded [12]
8. Design an embedded syster minimum requirement for t	n with 8051 microcontroller he system is to have GPIO i	
