

Code No: H5501/R13

M. Tech. II Semester Regular/Supplementary Examinations, July-2016

HARDWARE SOFTWARE CO-DESIGN

(Embedded Systems)

Time: 3 Hours Max. Marks: 60 Answer any FIVE Questions All Questions Carry Equal Marks 1. a Explain about the generic co-design methodology. 8 b What is reactive system co-synthesis? Explain 4 2. a Differentiate between finite state machines and program state machines. b Briefly explain about system communication infrastructure 3. a Explain about prototyping and emulation environments. b Distinguish between control and data dominated architectures. 4. a Discuss about the modern embedded architectures. b What are the practical considerations in a compiler development environment? a Explain about the compiler techniques for specialized architectures. 5. 6 b What is meant by coordinating concurrent computations? Explain 6. a Explain in detail the co-design computational model. b Discuss about the concept of interface verification. 6 7. a Briefly explain about system level specification languages. 6 b Discuss about multi-language design. 8. Write short notes on the following: a Memory Architectures 6 b Lycos System
