Code No: J6801/R16

M. Tech. II Semester Regular Examinations, May-2017
EMBEDDED SYSTEM DESIGN

(Common to VLSI&ES (68), ES&VLSI (48), VLSID &ES (77), ES &VLSID (81)
VLSI (57), VLSID (72), VLSI System Design (61), VLSI & Micro Electronics (76)
SSP(45), DIP(63), CE&SP(46), IP , C & SP (80)
Digital Systems & Computer Electronics (06)
DECS (38), ECE (70), DECE (37)
C&CE (49), C&C (39)

Time: 3 Hours   **Max. Marks: 60**

Answer any FIVE Questions
All Questions Carry Equal Marks

1.	a	Discuss the characteristics of an Embedded System.	[6M]
	b	Explain about the processor in an Embedded System.	[6M]
2.	a	What are the different types of ROMs that are used in Embedded boards? Explain.	[6M]
	b	Explain about the interfacing of anI/O devicewiththe Embedded board.	[6M]
3.		Explain in brief about Memory device drivers.	[12M]
4.		Describe the various ways of getting Embedded Software into the target system.	[12M]
5.	a	What are the different processor architectures that should be considered in designing an Embedded System?	[6M]
	b	Explain the use of Debugging tools in an Embedded System design.	[6M]
6.	a	Discuss the various applications of an Embedded System.	[6M]
	b	Write a brief note on Bus arbitration.	[6M]
7.	a	Explain about Application Software with examples.	[6M]
	b	Write a brief note on System Boot-Up.	[6M]
8.		Briefly explain about Power PC Processor based Embedded System design on Xilinx platform.	[12M]

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