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Question Paper Code: BES204



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

M.Tech I Semester End Examinations (Supplementary) - July, 2017

Regulation: IARE-R16

HARDWARE AND SOFTWARE CO-DESIGN

(Embedded Systems)

Time: 3 Hours Max Marks: 70

Answer ONE Question from each Unit All Questions Carry Equal Marks All parts of the question must be answered in one place only

UNIT - I

 2. 	(b) Write the differences between RISC and CISC processors along with examples.(a) Write short notes on heuristic algorithms give an example.	[7M] [7M] [7M] [7M]						
	$\mathbf{UNIT}-\mathbf{II}$							
3.	(b) Explain about Architecture of 8051 Micro Controller.	[7M]						
4.	(a) Write short notes on architectures for high performance control with a neat block diagram.(b) Explain in detail about Aptix Prototyping System.	[7M] [7M]						
$\mathbf{UNIT}-\mathbf{III}$								
5.		[7M] [7M]						
6.		[7M]						
	$\mathbf{UNIT} - \mathbf{IV}$							
7.	` '	[7M]						
8.		[7M]						

$\mathbf{UNIT}-\mathbf{V}$

9. (a) Explain about Co-simulation Models with neat sketches. [7M]
(b) Explain about Multi- Language design and specify its classifications based on validation. [7M]
10. (a) Briefly explain about Synthesis Intermediate forms. [7M]
(b) write the differences between homogeneous and heterogeneous specification. [7M]

