

I	P18MECE142	Page No 2	
8 a	Explain the following I/O synchronization techniques:		
	i) Interrupts		8
	ii) Polling		
b	Discuss different serial interface standards.		12
	UNIT - V		
9 a	With the help of block diagram, explain video edge detection.		8
b	Discuss pipelined organization of an accelerator.		6
c	What is functional design and verification? Discuss in detail.		6
10	Write a short notes on:		
	i) Area Optimization		
	ii) Timing Optimization		20
	iii) Power Optimization		
	iv) Fault models and Simulation		

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