16PE713 FPGA Based System Design

Name: SOLUTION			Reg. No:
Quiz #3			14 th Jun 2018
What is the major downfall of a) Speed—they are too slow c) Speed—they are too fast		vstems? b) Too much fle d) Not enough f	
Classify the following storage programmed multiple number a) SRAM - b) fusible-link - c) antifuse - d) FLASH - e) EPROM -	of times: Programmable OTP OTP Programmable	rogrammable (OTP) and	those that can be
3. What is a difference between	EEPROM and FLASH d	levices?	
EEPROM erase each in FLASH erase an entire			
What is the semiconductor tea a) 65 nm	chnology in which the ne b) 90 nm	ewest Xilinx FPGA device c) 130 nm	es have been fabricated? d) 150 nm
In addition to all the gates and a) Multiplexers	d flip-flops available in a b) flip-flops	CPLD, an FPGA will also c) Look-up tables	o contain d) registers
What programmable technolog a) SRAM	ogy is used in FPGA devi b) Flash	ices? c) Antifuse	d) all the above
7. Name few of the families of X # Spartan, Virtex, Kintex			
8. Name few of the families of A # Cyclone, Max, Stratix			
9. Name few of the software's at # Active HDL from Alder # Modelsim from Mento	С	and simulation.	
10. Name few of the software's a		ementation in FPGA dev	ices.