

this logic circuit.





(10 marks)

EE1005 - Digital Logic Design Quiz# 4

Instructor: Muhammad Adeel Tah		Time: 30 Minutes					
Name: Roll No:		Total: 20 marks					
Instructions: Make sure the hand 0 if attempted in a writing that is no	_	ile drawing the circuit, quiz will be marked as					
energize an indicator light whenever paper feeder tray; or (2) the two me path. The presence of paper in the microswitches produces a logic sig	er either of the following con icroswitches in the paper pa feeder tray is indicated by a gnal (Q and R) that goes HIG ic circuit to produce a HIGH	ed to stop the machine operation and ditions exists: (1) there is no paper in the th are activated, indicating a jam in the paper a HIGH at logic signal P. Each of the GH whenever paper is passing over the at output signal S for the stated conditions, (10 marks)					
No of Inputs:	No of Ou	tputs:					
Equation F: Truth Table:							
Draw neat and clean diagram otherwise a	0 will be awarded, label each output	carefully.					
•	•	(VB) of a 12-V storage battery on an orbiting ABCD, corresponding to the battery voltage					

in steps of 1 V, with A as the MSB. The converter's binary outputs are fed to a logic circuit that is to produce a HIGH output if the binary value is greater than 6; that is, the battery voltage is greater than 6 V. Design

No of Inputs Equation F:	s:				No of Outputs:			-				
Truth Table:						\						
Draw neat and clean diagram otherwise a 0 will be awarded, label each output carefully.												
2.2 and												