EN2532 Robot Design and Competition Laboratory Sheet-Practical No: 1

Indexes:		Date:	//
Name:		Group No:	
1. Wha	t does PWM stand for?		
2. Mair	n parameters to consider generating a PWM?		
3. Desc	cribe the importance of selecting the PWM Frequ	uency	
4. Wha	t will happen when we change the PWM Duty c	ycle?	
5. Wha	at are the two type encoders?		

6.	Why o	closed loop designs are heavily used in motor controlling
7.	List do	own the modules(sensors) which can be used to get following feedbacks from a DC
	a.	Rotation speed
	1.	Disasting of metating
	D.	Direction of rotation
	c.	Torque
0	TC .1	
8.		PWM frequency is 5khz and duty cycle resolution is 10bit. Sketch the PWM signal duty cycle value is set to 511 in a specific micro controller.