

SAKARYA UNIVERSITY PHYSICS LABORATORY II 2019-2020

EXPERIMENT REPORT

EXFERIMENT NUMBER.	
EXPERIMENT TITLE:	Magnetic Field at the Centre of a Wire Ring with Current
DATE:	
GROUP NUMBER:	
MEMBERS:	
DEPARTMENT:	
NAME-SURNAME:	
NUMBER:	
DELIVERY DATE:	
REPORT SCORE:	

1. Fill in the table below according to the results you obtained in the experiment. (10 point)

Measurement number	Current (A)	Number of turn	Angle of deviation (°)	tanθ		
Part I						
1						
2						
3						
4						
		Part II				
1						
2						
3						
4						

2.	Draw $tan\theta$ –I	I and $ an heta$ –	- Number of	f turn	graphics of	on millimetei	: paper. (5	50 point)
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Answer the following questions by using the graphics you have drawn.

3. What conclusion did you have about the relationship between the magnetic field intensity in the centre of the ring and the current passing through the ring? (20 point)

4. What conclusion did you have about the relationship between the magnetic field intensity at the centre of the ring and the number of turns? (20 point)

Graphics

 	
	
	
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}	
	
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}	
	
} 	
} 	