SEMESTER	***DEPARTMENT***	***COURSE TITLE***
First	*General Engineering*	*Physics I Lab.*
COURSE CODE	***HOURS:*** 3	***COURSE SPECIFICATIONS***
EG 103	***UNITS:*** 1	*Practical Contents*

1. ***Instruction and basic measurements.***
2. ***Determination of the coefficient of static friction for wood on glass.***
3. ***Determination of the surface tension of water by using capillary tube.***
4. ***Measurements of an unknown mass by the resolution of forces method.***
5. ***Determination of the velocity of sound using a resonance tube.***
6. ***Determination of the moment of inertia using a fly – wheel.***
7. ***Determination of the acceleration due to gravity by means of a simple pendulum.***
8. ***Determination of the frequency of fork using a sonometer.***
9. ***Determination of the thermal conductivity of copper by Searale's method.***
10. ***Experiments with a helical spring:***

    A. To verify Hook's law.

    B. To determine the acceleration due to gravity.

References: