Department of Physics First year Physics Laboratory

Instructions, Rules and Regulations:

- 1. Attendance in the lab is compulsory. If you are absent for medical reasons or other urgent reasons, then you must produce a certificate to that effect later and compensate for the missed lab at some later time.
- 2. Students must report to the lab on time. Anyone arriving after five minutes of the start of the laboratory class will be marked as absent.
- 3. Three/Four students (who form a group) will perform a given experiment. Each of the group members is advised to take part fully in all the measurements.
- 4. All the experiments are described in detail in the lab manual. Students should arrive in the lab well prepared by reading the description of the experiment assigned to them.
- 5. Get a Practical Note book in which all records of the experiment performed in the laboratory, calculations etc. should be recorded. Do not forget to bring the Practical note book and the laboratory manual to the class.
- 6. For every laboratory class, the student should bring the practical note book with the Objective of the experiment, apparatus used, formula used, diagrams, observation tables etc. Failure to come prepared to the laboratory will result in the deduction of 1 mark out of the evaluation of that experiment.
- 7. Each student should record all observations in the practical notebook using a pen; use of pencils for recording observations is not permitted. The student should get one observation checked by the Teaching Assistant. Observation without any signature of the teacher will not be considered for evaluation.
- 8. Notebook should also be complete in all respects of the experiment performed in the earlier class, including all calculations, conclusion, discussion, precautions and sources of error etc.
- 9. For incomplete writeup 2 marks will be deducted from the evaluation of that specific experiment.
- 10. If student does not show the completed experiment by the following week, then 2 marks will be deducted. Experiments will not be evaluated if the delay is more than two weeks.
- 11. No extra time in the lab will be given to the students to perform the experiment until there is a genuine reason
- 12. No Extra lab hours will be given to the students for repeating experiments except the buffer lab hours provided at the end of the semester.
- 13. In the laboratory note book for each experiment, the following needs to be written:
 - a) Objective of the experiment
 - b) Apparatus used
 - c) Formula used and explain all symbols used in the formula.
 - d) Diagram/circuit
 - e) Observation table
 - f) Calculations
 - g) Conclusions
 - h) Precautions and sources of error
 - i) Discussion about the experiment
- 14. During checking of completed experiment, the student will be asked some basic questions on the experiment which will be a part of the day to day evaluation.
- 15. At the end of the semester there will be a laboratory examination.

Marks components

Total Lab marks: 25

Lab time inspection					Final Exam
Components	Attendance	Lab Record	Viva	Total	
Marks	05	05	05	15	10