GUIDELINES FOR ASSESSMENT TO AWARD MARKS IN PRACTICAL COURSES

Criteria – I (5 marks)	Criteria – II (15 marks)	Criteria – III (20 marks)	Criteria – IV (10 marks)	Criteria – V (5 marks)	Criteria – VI (10 marks)	Total Marks
Objective / Purpose	Analysis / Algorithm	Design / Program	Application / Discussions	Conclusion *(Exceptional / Very Good / Adequate / Satisfactory / Poor)*	Viva	**70**

Objective / Purpose:
State the purpose of the lab. For example, "To verify the constant-acceleration relations for kinematics and indirectly measure the freefall acceleration."

Analysis / Algorithm:
This section should include a brief discussion of the theory underlying the experiment, including all the relevant equations, and the interpretation of experimental results. Any and all graphs should be discussed in the context of the theory. For graphs, the significance of the slope and y-intercept should be discussed and compared to the values expected from theory.

Design / Program:
Consistency with the theoretical discussion outlined in analysis section. Use of tables/program to show all the data. Wherever the data demonstrates useful trends, the tables should be supplemented with meaningful graphs. The graphs should always be scatter plots. Titles and axes should be clearly labeled with appropriate symbols and units.

Application / Discussion:
This section gives an opportunity to think of any applications of this experiment. How would you convince the faculty / fellow student that this experiment might be useful in helping you understand some physical principles?

Conclusion:

Exceptional: going far beyond the bare minimum suggested by the faculty. It is very clearly written. It has strong analysis and a creative approach.

Very good: concise yet complete, with no obvious weaknesses. It is solid analysis and a clear presentation.

Adequate: with only minor deficiencies. Put in a sincere effort.

Satisfactory: shows some effort but has at least one major/minor deficiency (*e.g.*, missing of graph, test cases etc.).

Poor: poorly written and shows very little effort or understanding.

Viva:

Check for comprehensive knowledge on:

1. Though knowledge of essentials to perform the task / overall subject knowledge
2. Knowledge of equipment / tools / materials
3. Knowledge of limitation of use of particular tools / equipment
4. Knowledge of methods of procedure
5. Understanding of functioning of equipment / tools
6. Understanding of criteria to be used in selecting tool for a given task
7. Understanding of the process of measurement

PRINCIPAL