**NOTE:-**

1. Please write a description about the experiment and then solve the given problem.
2. Answer both questions (2\*20=40 Marks).
3. Paper should be A4 & should be handwritten.
4. Please submit a PDF of the script (size < 100k)

**Questions:-**

1. Draw an ER diagram for a course management system. Entities should be courses, students, faculties & subjects. Assume the relationships and show primary keys and cardinalities & other aspects.

2. Suppose that a project was estimated to be 400KLOC. Calculate the effort and development time for each of the project modes-

1. Organic
2. Semidetached
3. Embedded