

## *Activity Sheet - Week 9 Studio 1*

Start	Duration	Activity
0:00	90 mins	Review DC motor & clarification of doubts
1:30	20 mins	In-class quiz
1:50	45 mins	Briefing on dc power supply

### *A. Review of DC motor*

Key concepts will be explained. If you have any doubts, raise them during the review.

### *B. Quiz*

By now you should know the steps to solve problems on DC motors. Lecturer will give a quiz question to test your understanding. Few different questions of similar difficulty level will be used. Each student will solve only one question.

### *C. DC power supply*

In the lab this week, you will build a DC power supply to produce a low voltage DC from 230 V, 50 Hz AC supply. It involves a few components:

- Transformer,
- Rectifier, and
- Capacitor as a filter to reduce voltage ripple.

Operations of these components will be explained by the instructor.