

ELEC-E8409 HIGH VOLTAGE ENGINEERING

EXAM 24.4.2017

1. Breakdown in gas. Explain Townsend's mechanism and Streamer mechanism.
2. Explain Paschen's Law.
3. Explain the reflection and transmission of traveling waves in the points of discontinuity in power systems.
4. Generation of high voltages for overvoltage testing (in laboratory conditions).
5. Capacitive overvoltages in power systems.

Answers accepted in English, Finnish and Swedish.

Questions are available only in English.