

15.10.2013 / T. Tuuva

BM30A0601 Optoelectronics

Calculator is allowed, but no other material. **Answer only to 4 questions.** You can also answer in finnish.

1. Describe structure and operation of a Photovoltaic Device.
2. Explain the operation of Dielectric Waveguides.
3. Describe operation of the Fabry-Perot optical cavity.
4. Describe structure and operation of a photodiode
5. What are the different noise sources in a photo diode?