

10.01.2011 / T. Tuuva

BM30A0601 Optoelectronics

No material allowed. You can also answer in Finnish.

1. a) Explain the operational principle of an optical fiber.
b) What defines the maximum acceptance angle for an optical fiber?
2. Describe operation of the Fabry-Perot optical cavity
3. Explain the principal operation of a laser diode.
4. Describe structure and operation of a photodiode.