

04.12.2013 / T. Tuuva

## BM30A0601 Optoelectronics

Calculator is allowed, but no other material. 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.