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NIPTEL

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Courses » Semiconductors Optoelectronics

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Unit 13 - Week 11

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Course outline

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General
Characteristics
of
Photodetectors

Responsivity

Assessment 11

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

Due on 2019-04-17, 23:59 IST.

Instructions:

- 1. Answer all questions; all questions carry equal mark.
- 2. All symbols have their usual meanings.
- 3. Only one of the options is correct
- 4. Question 4 is TRUE or FALSE type of question.
- 5. The 5th question is a "fill in the blank" type of question. You are supposed to enter a numerical answer to fill the blank as given in the question. Your answer must be correct upto two decimal places (unless it is an integer).
- 6. You can see the correct answers after the last date of submission.

Note

Marks obtained in this quiz will be counted towards your final score. You can take the quiz and submit it any number of times, and the latest submitted answers will be taken as your final submission.

Physical Constants:

 $m_0 = 9.11 \times 10^{-31} \ kg; \ h = 6.627 \times 10^{-34} J.s; \ e = 1.602 \times 10^{-19} \ C; \ k_B = 1.38 \times 10^{-23} \ J/K$

1) Which one of the following photo-detectors is of photo-emissive type?

1 point

- PIN Diode
- O APD
- Photoconductor
- PMT

No, the answer is incorrect.

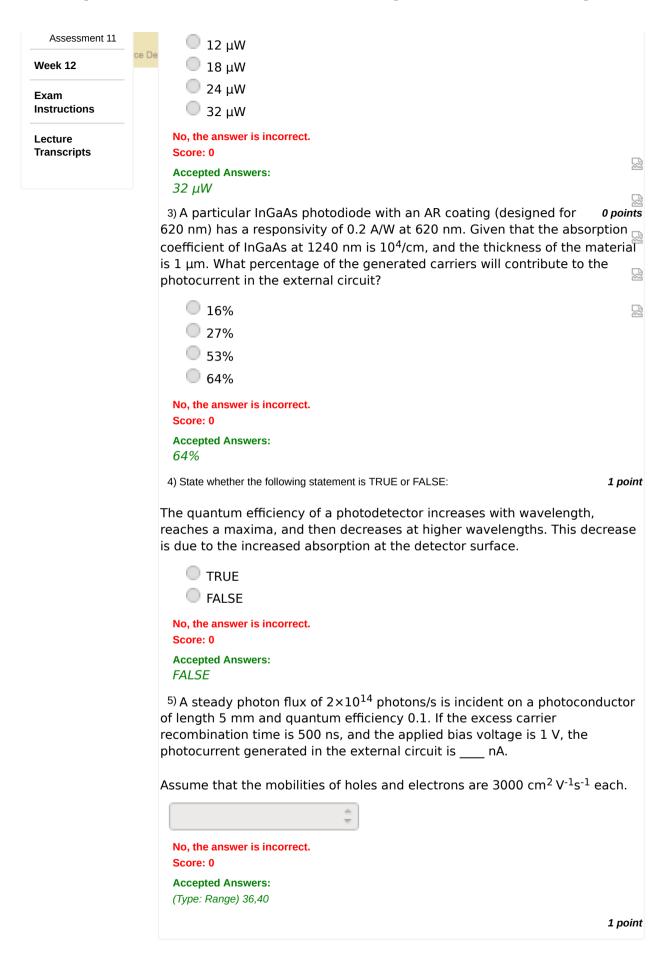
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