reviewer4@nptel.iitm.ac.in ▼ Courses » Semiconductors Optoelectronics Announcements Course Ask a Question **Progress** FAQ Unit 6 - Week 4 Register for **Certification exam Assessment 4** The due date for submitting this assignment has passed. Course Due on 2019-02-27, 23:59 IST. As per our records you have not submitted this outline assignment. Instructions: How to access the portal 1. Answer all questions; all questions carry equal mark. Self-assessment before course 2. All symbols have their usual meanings. start 3. Only one of the options is correct. Week 1 4. You can see the correct answers after the last date of submission. Week 2 Note: Week 3 All questions have three options. Week 4 Marks obtained in this guiz will be counted towards your final score. You can take the guiz and submit it any number of times, and the latest submitted answers will be taken as your final submission. Bandgap Engineering 1) Alloying of a binary semiconductor— 1 point Heterostructure p-n junctions Always leads to increase in the bandgap energy Always leads to decrease in the bandgap energy Schottky Junctions and Can lead to either increase or decrease in the bandgap energy Ohmic Contacts No, the answer is incorrect. Fabrication of Score: 0 Heterostructure **Accepted Answers:** Devices Can lead to either increase or decrease in the bandgap energy Quiz: Assessment 4 2) Two semiconductor quantum-well sources of identical material compositions with widths 1 point L_1 and L_2 , emit light of wavelengths λ_1 and λ_2 , respectively. Which one of the following options is Solutions of correct? Assessment 4 Week 5 If $L_1 > L_2$, then $\lambda_1 < \lambda_2$

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