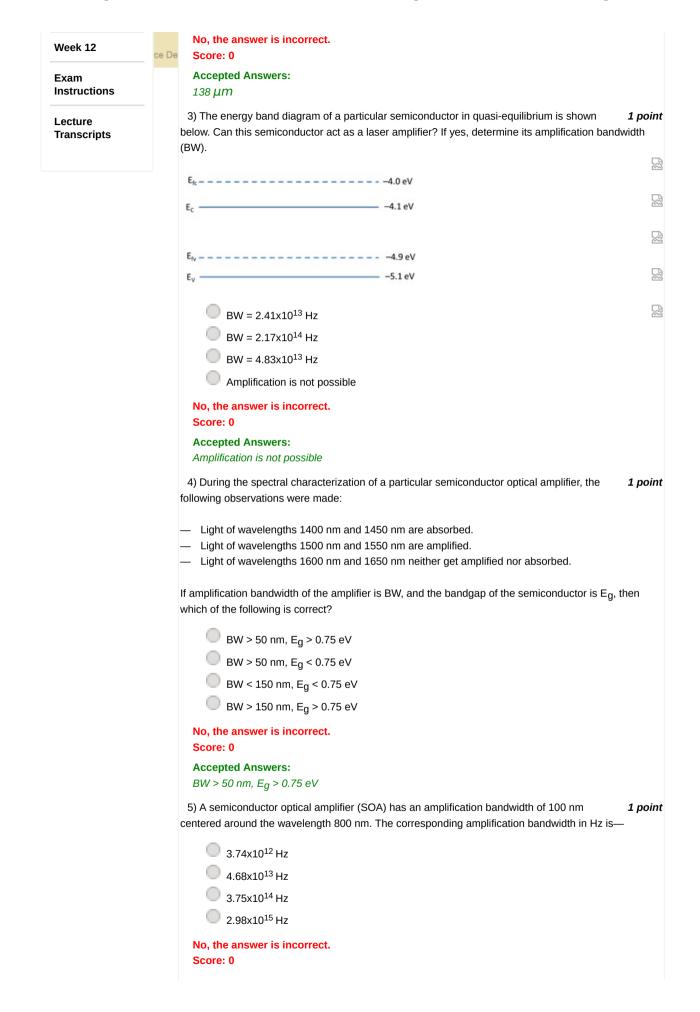
PICEL	reviewer4@nptel.iitm.ac	
Courses » Semiconductors Optoelectronics		
Jnit 8 - We	Announcements Course Ask a Question Progress FAQ	
Register for Certification exam	Assessment 6	
Course outline	The due date for submitting this assignment has passed.As per our records you have not submitted thisDue on 2019-03-13, 23:59 ISTassignment.	
How to access the portal	Instructions:	
Self-assessment before course start	 Answer all questions; all questions carry equal mark. All symbols have their usual meanings. 	
Week 1	3. Only one of the options is correct	
Week 2	4. You can see the correct answers after the last date of submission.	
Week 3	Note: Marks obtained in this quiz will be counted towards your final score. You can take the quiz and submit it	
Week 4	any number of times, and the latest submitted answers will be taken as your final submission.	
Week 5	Physical Constants:	
Week 6	m_0 = 9.11 x 10 ⁻³¹ kg; h = 6.627 x 10 ⁻³⁴ J.s; e = 1.602 x 10 ⁻¹⁹ C; k_B = 1.38 x 10 ⁻²³ J/K	
Amplification by Stimulated Emission	1) One of the most efficient methods of pumping a semiconductor to provide amplification for 1 point the input light is to employ a:	
The	Forward biased p-n homojunction device	
Semiconductor (Laser)	Forward biased p-n double heterojunction device	
Amplifier	 Forward biased p-n double homojunction device Forward biased p-n heterojunction device 	
Quiz : Assessment 6	No, the answer is incorrect.	
 Solutions of Assessment 6 	Score: 0 Accepted Answers:	
Week 7	Forward biased p-n double heterojunction device	
	2) The intensity of a light beam doubles on passing through a particular semiconductor optical 1 points	

In association with







Accepted Answers: 4.68x10 ¹³ Hz	
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