

# Final Exam Preparation



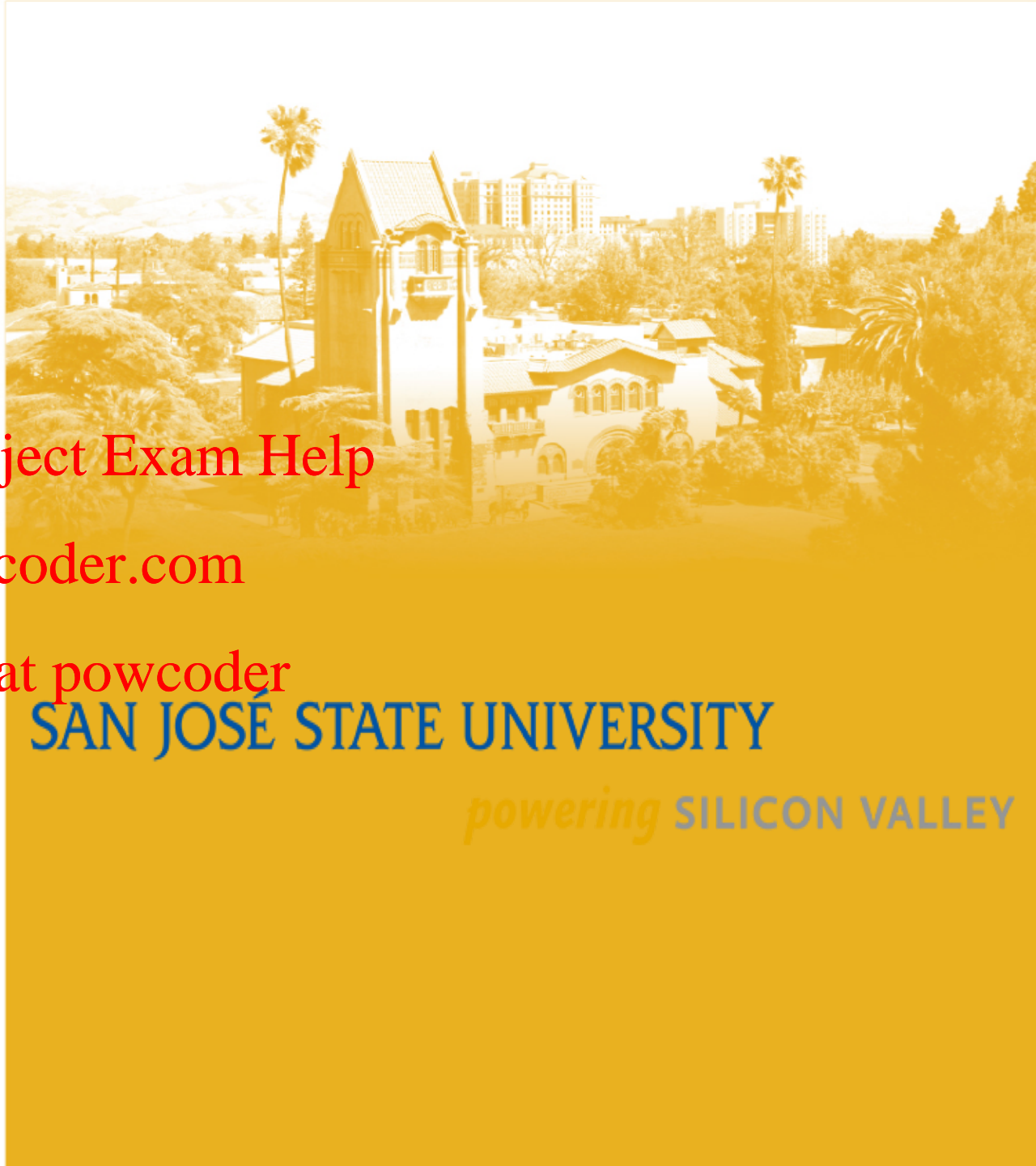
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- Review all pop quizzes & homework assignments
  - Make sure you fully understand each concept
- Review all lecture's topics and concepts – ppt slides and summary posted on Canvas
  - Conceptual questions <https://powcoder.com>
- Textbook example exercises
  - Topics in the lectures only

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- Questions covered all lecture topics before midterm II (~35%) and after midterm II up to NP-Completeness. (~65%)
  - You are allowed to bring **ONE empty piece (front and back pages)** of Letter size for **scratch paper** - Extra pages will be treated as CHEATING.  
<https://powcoder.com>
  - **You must show both side of your scratch paper to your video camera to make sure it is white and empty, otherwise 0 point will be assigned to your final exam.**  
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## Type of questions in the final exam:

- Pretty much like midterm (Conceptual questions):
  - Multiple Choice (15~20 questions)
  - Problem solving (10~15 questions) including writing pseudo codes
- Complexity measurement
- Recursive algorithm including recursion tree
- BST, Sorting algorithms
- Hashing tables/functions and probing methods
- RB-Tree
- BSF, DSF
- NP-Completeness

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# Good Luck to your final Exam

What day and time?

- **9:45am-12:00pm on Thursday, December 10<sup>th</sup>**

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