

Exam Overview

- Time Allowed: TWO hours
- You must answer all questions in this exam.
- Calculators are NOT permitted.
- Answer Section A (Multiple choice questions) on the Teleform answer sheet provided.
- Answer Section B in the space provided in this booklet.
- 100 marks

Exam Info

- Part 1:
 - Topics: Basic Python, Lists, Objects, Classes, Exceptions, JSON
 - MCQ - Q1 – 10 (20.5 marks)
- Part 2:
 - Topics: Complexity, Stack, Queue, Linked Lists
 - MCQ Q11 – 20 (19 marks), short answer question: 44 (4 marks)
- Part 3:
 - Topics: Recursion, Hashing, sorting, Trees, Binary Search Trees, Priority Queues
 - MCQ Q21 – 43 (46.5 marks), short answer questions: 45 (6 marks), 46 (4 marks)

How to prepare Part 3?

- Try:
 - Post-lecture Quizzes
 - A2
 - Lecture exercises
 - Revision exercises
 - Lab exercises

Exam Preparation - tips

- 1. Give yourself enough time to study
 - Don't leave it until the last minute.
- 2. Organize your study space
 - Have you got enough light?
 - Is your chair comfortable?
 - Are your computer games out of sight?
- 3. Use flow charts and diagrams
 - Visual aids can be really helpful when revising
 - At the start of a topic, challenge yourself to write down everything you already know about a topic
 - Closer to the exam, condense your revision notes into one-page diagrams

Study tips

- 4. Finding Out What Goes Into the Exam
 - You can get a pretty good idea of what goes into the exam from looking at past papers
- 5. Getting Comfortable with the Exam Experience
 - Get a feeling for how the exam experience will be like by doing some past semesters' exams.
- 6. Explain your answers to others
 - That will help you to get it clear in your head, and also to highlight any areas where you need more work.

Study tips

- 7. Organize study groups with friends
 - You may have questions that they have the answers to and vice versa.
 - this can be one of the most effective ways to challenge yourself.
- 8. Take regular breaks
 - If you study better in the morning, start early before taking a break at lunchtime.
 - Remember Vitamin D is important for a healthy brain!
- 9. Snack on 'brain food'
 - Keep your body and brain well-fuelled by choosing nutritious foods that have been proven to aid concentration and memory

Study tips

- 10. Plan your exam day
 - Make sure you get everything ready well in advance of the exam
 - The exam is in the morning so set your alarm the night before.
 - Check all the rules and requirements, and plan your route and journey time.