

# Randomized Algorithms - Final

K. Subramani  
Department of Computer Science and Electrical Engineering,  
West Virginia University,  
Morgantown, WV  
ksmani@csee.wvu.edu

## 1 Instructions

1. The Final is worth 40 points.
2. Please attempt all questions. You will receive partial credit for attempting problems.
3. You need to turn in your work on or before December 25, 2001. I would prefer a hardcopy slipped under my door!

## 2 Problems

1. Problem 3.4, Pg. 64 [MR95] (6 points)
2. Problem 4.4, Pg. 98 [MR95] (8 points)
3. Problem 4.7, Pg. 98 [MR95] (8 points)
4. Problem 5.13, Pg. 126 [MR95] (8 points)
5. Exercise 6.7, Pg. 143,[MR95] (4 points)
6. Problem 6.8, Pg. 157 [MR95] (6 points)

## References

- [MR95] Rajeev Motwani and Prabhakar Raghavan. *Randomized Algorithms*. Cambridge University Press, Cambridge, England, June 1995.