Boğaziçi University, Dept. of Computer Engineering

CMPE 250, DATA STRUCTURES AND ALGORITHMS

Fall 2014, Midterm 2

Name: ________________________________

Student ID: ___________________________

Signature: ____________________________

• Please print your name and student ID number and write your signature to indicate that you accept the University honour code.

• During this examination, you may not use any notes or books.

• Read each question carefully and WRITE CLEARLY. Unreadable answers will not get any credit.

• For each question you do not know the answer and leave blank, you can get %10 of the points, if you write only “I don’t know the answer but I promise to think about this question and learn its solution”.

• There are 4 questions. Point values are given in parentheses.

• You have 90 minutes to do all the problems.

<table>
<thead>
<tr>
<th>Q</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Score</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max</td>
<td>20</td>
<td>20</td>
<td>40</td>
<td>20</td>
<td>100</td>
</tr>
</tbody>
</table>
1. (20 points)