ECE2031 In-Class Exam   Summer 2011

ANSWER SHEET

Name _____ **Section** _____ **Student No.** _____

Closed Books, Closed Notes, No computers or calculators.

Having read the Georgia Institute of Technology Academic Honor Code, I understand and accept my responsibility as a member of the Georgia Tech Community to uphold the Honor Code at all times. In addition, I understand my options for reporting honor violations as detailed in the code.

_____   _____

(Signature)   (Date)

CIRCLE YOUR SELECTED ANSWERS OR FILL IN AS NEEDED

1. a   b   c   <u>d</u>   e   (5 pts)
2. a   <u>b</u>   c   d   (5 pts)
3. <u>a</u>   b   c   d   (5 pts)
4. <u>a</u>   b   c   d   e   (5 pts)
5. a   b   c   <u>d</u>   e   (5 pts)
6. a   b   <u>c</u>   d   (5 pts)
7. a   b   c   <u>d</u>   e   (5 pts)
8. a   <u>b</u>   c   d   e   (5 pts)
9. a   b   <u>c</u>   d   e   (10 pts)
10. a   b   <u>c</u>   d   (5 pts)
11. a   <u>b</u>   c   d   (5 pts)
12. <u>a</u>   b   <u>c</u>   d   e   (10 pts)
13. a   <u>b</u>   c   d   (5 pts)
14. a   <u>b</u>   c   d   (5 pts)
15. Fill in at right   (10 pts)
16. <u>a</u>   b   (5 pts)
17. a   <u>b</u>   c   d   e   (5 pts)

BC \ A	0	1
00	0	0
01	1	1
11	0	0
10	0	1

Fill in the Karnaugh map with ones and zeroes. It is not necessary to circle prime implicants or determine the corresponding equation (but you may do so if it helps with problem 16).