UNIVERSITY OF THESSALY

ELECTRICAL AND COMPUTER ENGINEERING DEPARTMENT

DIGITAL DESIGN

1st Homework Set

1. Write your AEM in the binary, octal, hexadecimal, and triadic system
2. Write your AEM as a 2's complement
3. Write your AEM in BCD
4. Perform the calculations:
   a. 10011101+01101101
   b. 11100111+00100001
   c. 10000101+10011111
   d. 11001111-01111101
   e. 00100111-10011101
   f. 00010111-11011101
   g. 10010111-01111100