

Study Questions (Chapter 03 – Part 2)

1. What do the following terms stand for?
 - a. SP
 - b. LR
 - c. ARM
 - d. CPSR
2. Question 3.30 on page 225: What is the meaning of *sign-extension* in the context of copying data from one location to another?
3. Question 3.61 on page 227: Register r15 is the program counter. You can use it with certain instructions such as a MOV (e.g., MOV **pc**, r14). However, r15 cannot be used in conjunction with most data processing instructions. Why?