1-29-20 HW3 I. The two ways of generating a clack for a CPU ore a simple clock ascillator of a (rysta) controlled clocks Oscillator. The crystal controlled clock oscillator is preferred because it uses three logic gotes to improve efficiency and it runs out a much higher speed 2. The synchronous memory is the burnie mitom access memory (RAM) that is synchronized with a clock speed that the microprocessor is optimized for. It increases the number of instructions the processor can read and execute and it supports the read and write operations. The Synchronous memory read cycle is the process of reading this previously stured 3 a. num1 Dword? junsigned 32-bit integer numa SDWORD 3 , signed 32 - bit integer b. num3 SDWORD 9876h; signed 32-bit integs numy sword onth ; signed 16-bit integer (Str1 BYTE "Computer Architecture", O ; null turinoted string D. Minutes in Day = 60 * 60 * 24 , Using equal-sign directive 4. Spring DWORD ABAEDCIAh (Little Endian Order) ← lowest 12 0000: 0001 0002: t highest AB 0003:

5. a. array 1 SBYTED 41, 61, 71, -61, 51 b. Arrayleigh = (3- orray 1) 6. A String variable its sectioned using the reserved ward BYTE because a sering is an arrang of consocrets and each character is a bushe. 7. Addling three 32-bit integers (AMTERRALASIN) 386 - model flat, stokail . 5 tock 4096 Exit Process PROTO, dw Exit Code: DWORD . codo main PROC move eax, 2 add cax, 3 add eax, 4 INVOKE EXIT PROCESS, O Main ENDP END muin