**MICROPROCESSORS QUESTIONS**

**1) In a microprocessor, what is the main purpose of an ALU?**

**a) Generation of address latch signal**

**b) Generation of address list**

**c) Advanced loop control**

**d) Processing the arithmetic/logic operations**

**2) A microprocessor with 24 address lines.**

**How many memory locations can be addressed by it?**

**a) 16k**

**b) 64k**

**c) 16M**

**d) 11M**

**3) Which of the following is not a mode of operation of x86 processors?**

**a) Protected Mode**

**b) Collective Mode**

**c) System Management Mode**

**d) Real-Address Mode**

**4) All these are 32-bit general-purpose registers but \_\_\_\_\_\_\_\_\_\_**

**a) EAX**

**b) EGX**

**c) EDI**

**d) EDX**

**5) Convert the binary digit 10111101110 to hexadecimal**

**a) 6FF**

**b) 5EE**

**c) 56C**

**d) 768**

**6) Which of the following is the use of a data label?**

**a) It acts as a place marker for instructions**

**b) It identifies the location of a variable**

**c) It is used as a target for jumping and looping instructions**

**d) It is used to create a source file**

**7) The Data type, SDWORD is used for**

**a) 16-bit signed integer**

**b) 32-bit unsigned integer**

**c) 16-bit unsigned integer**

**d) 32-bit signed integer**

**8)**

**INCLUDE Irvine32.inc**

**.code**

**main PROC**

**mov eax,10000h ; EAX = 10000h**

**add eax,40000h ; EAX = 50000h**

**sub eax,20000h ; EAX = 30000h**

**exit**

**END main**

**What is the final value in EAX register?**

**a) 60000h**

**b) 40000h**

**c) 30000h**

**d) 20000h**

**9) The properties of 8086 processor include all but;**

**a) It has 16-bit data bus**

**b) It requires 5MHz clock range**

**c) The ALU is designed to work with 32-bit**

**d) Each of the memory locations is 8-bit**

**10) Which of the following make up the CPU?**

**a) Registers, Keyboard, Control Unit**

**b) Arithmetic/Logic Unit, Registers, Control Unit**

**c) Control Unit, Arithmetic/Law Unit, Registers**

**d) Registers, PowerPoint, Registers**