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**1.**Which of the following need not necessarily be saved on a context switch between processes?

a) General purpose registers

b) Translation look aside buffer

c)Program counter

d)All of these

Ans: b

2.Which memory is difficult to interface with processor?

a) static memory

b) Dynamic memory

c) ROM

d) None of these

Ans: b

3.Which method/s of representation of numbers occupies large amount of memory than others?

a) Sign-magnitude

b) 1’s compliment

c) 2’s compliment

d) 1’s & 2’s compliment

Ans: a

4. Which error detection method uses one’s complement arithmetic?

a) Simple parity check

b) Two-dimensional parity check

c) CRC  
d) Checksum

Ans: d

5. The BCD number 101011 has \_\_\_\_\_\_\_ priority

a)Even  
b)Odd

c)Both even and odd

d)None of the Mentioned

Ans: a

6. How many inputs will a decimal-to-BCD encoder have?

a) 4  
b) 8  
c) 10  
d) 16

Ans: c

7.Each instruction in ARM machines is encoded into \_\_\_\_ Word.  
a) 2 byte  
b) 3 byte  
c) 4 byte  
d) 8 byte

Ans: c

8.How is the status of the carry, auxiliary carry and parity flag affected if write instruction  
MOV A, #9C  
ADD A, #64H  
a) CY=0, AC=0, P=0  
b) CY=1, AC=1, P=0  
c) CY=0, AC=1, P=0  
d) CY=1, AC=1, P=1

Ans: b

9.Which register is used to make the pulse a level or a edge triggered pulse?  
a) TCON  
b) IE  
c) IPR  
d) SCON

Ans: a

10.What should be done if we want to double the baud rate?  
a) change a bit of the TMOD register  
b) change a bit of the PCON register  
c) change a bit of the SCON register  
d) change a bit of the SBUF register

Ans: b