EN0-001 Q&As

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QUESTION 1

Which TWO of the following interrupt types does a Generic Interrupt Controller (GIC) support? (Choose two)

A. Interrupt from a private peripheral to a processor

B. Interrupt from a processor to a private peripheral

C. Interrupt from a shared peripheral to a processor

D. Interrupt from a processor to a shared peripheral

E. Interrupt from a private peripheral to a shared peripheral

F. Interrupt from a shared peripheral to a private peripheral

Correct Answer: AC

QUESTION 2

When using the ARM Compiler (armcc), which of the following possible keywords can be used to remove padding bytes from a structure?

A. __package

B. __packed

C. __compact

D. __compress

Correct Answer: B

QUESTION 3

On a processor supporting the Security Extensions, what sequence of operations is required to move from Non-secure User mode to Secure state?

A. This transition is not possible

B. Execution of an SMC instruction

C. Execution of an SMC instruction followed by an SVC instruction

D. Execution of an SVC instruction followed by an SMC instruction

Correct Answer: D

QUESTION 4

According to the AAPCS, which of the following statements is TRUE with regard to preservation of register values by a function?

A. A function must preserve R0-R3 and R12

B. A function must preserve R4-R11 andR13

C. No registers may be corrupted by any function

D. All registers may be corrupted by any function

Correct Answer: B

QUESTION 5

Many ARM cores provide two instruction sets, ARM and Thumb. Which THREE of the following statements apply to the Thumb instruction set implemented for the ARMv7-A architecture? (Choose three)

A. Thumb is a hybrid 16/32-bit instruction set

B. No Thumb instructions can be conditionally executed

C. Thumb code is always slower than the equivalent ARM code

D. Some routines take more instructions in Thumb code than in the equivalent ARM code

E. The Thumb instruction set can access the Advanced SIMD "NEON" instructions

F. Thumb code is always more power-efficient than equivalent ARM code

Correct Answer: ADE