CertifyMe

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CertifyMe 70-571

Exam A

QUESTION 1
You build a Windows Embedded CE run-time image. You need to download the run-time image from Windows CE Platform Builder to the built-in device emulator. You must achieve this goal without modifying the emulator. What are two possible ways to download the run-time image? (Each correct answer presents a complete solution. Choose two.)

A. Use USB.
B. Use DMA.
C. Use Serial.
D. Use Ethernet.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
You have a Windows Embedded CE run-time image. You do not have the OS design for the run-time image. You need to identify which Windows CE Catalog items are contained in the run-time image. What should you do?

A. Review the contents of the \Windows\nk.exe file.
B. Review the contents of the \Windows\ceconfig.h file.
C. From the Remote Tools menu, run Remote Registry Editor.
D. From the Remote Tools menu, run Remote System Information.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3
You have an OS design. You attempt to build a Windows Embedded CE run-time image. During the makeimg phase, you receive the following error message: Error: RAM start overlaps ROM binary. You need to ensure that the build process completes successfully. What should you do?

A. Modify the project.reg file of the OS design.
B. Modify the SOURCES file of the OEM adaptation layer (OAL).
C. Modify the config.bib file of the board support package (BSP).
D. Modify the platform.reg file of the board support package (BSP).

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
You have a Windows Embedded CE run-time image for an OS design. You modify the platform.reg file in the

board support package (BSP). You need to apply the changes to the run-time image. What should you do?

A. Run sysgen_capture.bat.
B. Run buildrel.bat, and then run makeimg.exe.
C. Copy platform.reg to the Windows CE client.
D. Open Remote Registry Editor, and then export the registry key.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5
A thread in an application must perform an action no more than once every second. You need to ensure that the thread uses the minimum amount of CPU time. What should you do?

A. Call Sleep(1000) inside the thread, and then perform the action.
B. Call CeSetThreadPriority(hTHREAD,0), and then perform the action.
C. Call GetTickCount inside the thread in a loop for one second, and then perform the action.
D. Call SetThreadPriority(hTHREAD,THREAD_PRIORITY_LOWEST), and then perform the action.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
You have a Windows Embedded CE run-time image. You develop an application named App1.exe. You include the application in the run-time image. You need to add the application to the Start menu. What should you do?

A. Create an App1.lnk file. Add an entry for App1.lnk to the project.db and project.reg files.
B. Create an App1.lnk file. Add an entry for App1.lnk to the project.bib and project.dat files.
C. Create a value for App1.exe. Add the value for App1.exe to the [HKEY_LOCAL_MACHINE\Init] registry key.
D. Create a value for App1.exe. Add the value for App1.exe to the [HKEY_LOCAL_MACHINE\Startup] registry key.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7
You are developing power management applications in an OS design. You need to ensure that the applications receive notifications from Power Manager. What should you do?

A. Call the DevicePowerNotify function.
B. Call the RequestPowerNotifications function.
C. Change a value for the [HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Power] registry key.
D. Change a value for the [HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Power\ActivityTimers] registry key.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8
You develop two applications named App1 and APP2. App1 writes to a buffer. You create a function named ProcessMyData. You need to ensure that App2 executes a specific thread only when the buffer is full. Which code should the thread in App2 include?

A. CRITICAL_SECTION cs;InitializeCriticalSection(&cs);While (1){ EnterCriticalSection(&cs); ProcessMyData (); LeaveCriticalSection(&cs);}
B. HANDLE hEvent = CreateEvent(NULL, FALSE, FALSE, NULL);While (1){ WaitForSingleObject(hEvent, INFINITE); ProcessMyData();}
C. HANDLE hEvent = CreateMutex(NULL, FALSE, FALSE, NULL);while (1){ WaitForSingleObject(hEvent, INFINITE); ProcessMyData();}
D. HANDLE hEvent = CreateEvent(NULL, FALSE, FALSE, _T("SyncEvent"));while (1){ WaitForSingleObject (hEvent, INFINITE); ProcessMyData();}

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
You plan to develop an application that will contain multiple threads. You need to identify which synchronization API executes in the minimum amount of time. What should you do?

A. Run iltiming.exe.
B. Run OSBench.exe.
C. From the Remote Tools menu, run Remote Heap Walker.
D. From Windows Embedded CE Test Kit (CETK), run Application Verifier.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10
You develop a data collection application that has two threads. One thread collects data and stores it in a buffer. A second thread processes the data from the buffer. You need to ensure that only one thread can modify the buffer at a time. What should you add to the application?

A. a critical section
B. a call to the Sleep function
C. a call to the VirtualProtect function
D. virtual page protection

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11
You develop an application named App1 as a subproject of an OS design. You need to ensure that App1 always starts at boot time. What should you do?

A. Set the BSP_APP1_AUTOSTART environment variable.
B. In the subproject properties, modify the App1 target name to startup.exe.
C. Add registry values to the HKEY_LOCAL_MACHINE\Init registry key.
D. Add registry values to the HKEY_LOCAL_MACHINE\Startup registry key.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
You develop a Control Panel item named xyz.dll for an OS design. You need to ensure that the item is displayed in Control Panel. What should you do?

A. Set CPL=1 in the items SOURCES file. Add an entry to the MEMORY section of the config.bib file.
B. Set CPL=1 in the items SOURCES file. Add an entry to the MODULES section of the project.bib file.
C. Set SOURCES=XYZ.dll in the items SOURCES file. Add an entry to the MODULES section of the project.bib file.
D. Set SOURCES=XYZ.dll in the items SOURCES file. Add an entry to the MEMORY section of the config.bib file.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13
You are developing an application. The application uses a device driver. You need to ensure that the device

operates in a specific power state while the application is running. What should you do?

A. Send a WM_HIBERNATE message.
B. Call the SetPowerRequirement function.
C. Set the _T(PowerManager/ReloadActivityTimeouts) event.
D. Modify the values under the HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Power\Interfaces registry key.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14
You need to measure the interrupt service thread (IST) latency for a target hardware platform. What should you do?

A. Enable and run iltiming.exe.
B. Call the GetTickCount function.
C. Call the QueryPerformanceCounter function.
D. From the Remote Tools menu, run Remote Process Viewer.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
You have an OS design for a target hardware platform that does not use battery-backed RAM. The target hardware has block storage. You need to preserve the registry data in a custom location on the block storage device. Which should you do?

A. Add the Hive-based Registry Catalog item and modify platform.bib.
B. Add the Hive-based Registry Catalog item and modify platform.reg.
C. Add the RAM-based Registry Catalog item and modify platform.bib.
D. Add the RAM-based Registry Catalog item and modify platform.reg.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
You need to extend the functionality of an existing Catalog item. The new functionality must not affect OS designs that already use the Catalog item. What should you do first?

A. Create a copy of the OS design.
B. Clone the existing Catalog item.
C. Run the Configuration Manager.

D. Run the Import and Export Setting Wizard.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17
You have a new OS design that uses a flash storage device. You add the Catalog items for the flash storage device and the file system to the OS design. You need to mount the flash storage device as the root of the file system. What should you do?

A. Add the File Cache Manager Catalog item.
B. Add the File Storage Redirection Catalog item.
C. Modify the Storage Manager Control Panel Applet.
D. Modify the Storage Manager profile in the registry.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
You have a Windows Embedded CE run-time image for an OS design. You need to ensure that third-party developers can develop applications for the OS design. What should you provide to the developers?

A. a board support package (BSP)
B. a software development kit (SDK)
C. a Windows CE run-time image
D. an XML help file

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
You have a Windows Embedded CE run-time image that contains a custom Catalog item. You need to verify that the Catalog items registry keys are in the run-time image before you deploy the image. What should you do?

A. Run Object Browser.
B. Review Resource View.
C. Review the reginit.ini file.
D. Review the project.bib file.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
You implement a stream interface driver for a peripheral device and define the standard stream interface functions. You need to add support for the Power Manager to the driver.
What should you do?

A. Create a new battery driver.
B. Modify the default battery driver.
C. Add IOCTL_POWER_CAPABILITIES and IOCTL_POWER_SET to the OEMIoControl function.
D. Add IOCTL_POWER_CAPABILITIES and IOCTL_POWER_SET to the XXX_IOControl function.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
You have a stream interface device driver and an application. You need to open the driver from the application.
Which function should you call?

A. ActivateDevice
B. CreateFile
C. DeviceIoControl
D. FindNextFile

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
You are developing an interrupt service thread (IST) in a device driver. You need to ensure that the interrupt is enabled after the IST handles the interrupt source. What should you do?

A. Call the InterruptDone function.
B. Call the BSPIntrDoneIrq function.
C. Call the BSPInterruptEnable function.
D. Call the OEMInterruptEnable function.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
You have a target hardware platform that has a new peripheral device. You are implementing a device driver for the peripheral device. You need to ensure that the device driver can access the initialization parameters. What should you do?

A. Add the Storage Manager Catalog item.
B. Add the EDB Database Engine Catalog item.
C. Add the initialization parameters to a SYSGEN variable.
D. Add the initialization parameters to the Runtime registry.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24
You are implementing a stream interface device driver. You need to export the driver entry points. What should you do?

A. Define the entry points in the drivers .def file.
B. Define the entry points in the drivers .bib file.
C. Define the entry points in the drivers .reg file.
D. Define the entry points in the drivers SOURCES file.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
You are developing a device driver. The device driver must handle an interrupt. You need to ensure that the driver can identify the appropriate SYSINTR_ value for the interrupt. What should you do?

A. Set the SYSTINTR_ value in the MEMORY section of config.bib.
B. Set the interrupt request (IRQ) value in the MEMORY section of config.bib.
C. Call the KernelIoControl function that contains the IOCTL_HAL_REQUEST_SYSINTR parameter and the interrupt request (IRQ) number.
D. Call the DeviceIoControl function that contains the IOCTL_HAL_REQUEST_SYSINTR parameter and the interrupt request (IRQ) number.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
You need to dynamically load a device driver by generating a request to the device manager. Which function should you call?

A. ActivateDeviceEx
B. CreateFile
C. LoadDriver
D. LoadLibrary

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27
You are implementing a driver that runs in user mode. You need to ensure that the driver can communicate with a hardware device by accessing a block of physical addresses.
Which function should you call?

A. BusTransBusAddrToVirtual
B. GlobalMemoryStatus
C. MapCallerPointer
D. SetProcPermissions

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
You have a stream interface device driver. You need to load the driver at Windows Embedded CE boot time.
What should you do?

A. Modify the project.dat file.
B. Create a registry key in HKLM\Drivers\Active.
C. Create a registry key in HKLM\Drivers\BuiltIn.
D. Create a win.ini file. Copy the file to the \Windows directory.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29
You are developing a device driver for the on/off switch.

You include the following values in the registry for the driver.

[HKEY_LOCAL_MACHINE\Drivers\Builtin\OnOffDriver]
"Prefix"="OOS"
"Dll"="OnOffDriver.dll"

You need to ensure that the driver is successfully loaded by the device manager at boot time.

Which functions should you implement?

A. OOS_Init, OOS_Deinit, OOS_Open, OOS_Close, OOS_IoControl
B. XXX_Init, XXX_Deinit, XXX_Open, XXX_Close, XXX_IoControl

C. OOS_Seek, OOS_Read, OOS_Write
D. XXX_Seek, XXX_Read, XXX_Write

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
You have a board support package (BSP) for a target hardware platform in the %_PLATFORMROOT%\BSP1 folder. All OS designs that use BSP1 must automatically include a specific Catalog item. You need to configure BSP1 to meet the stated requirement. What should you do?

A. From Microsoft Visual Studio 2005, run Add-in Manager.
B. From Microsoft Visual Studio 2005, run Import and Export Settings Wizard.
C. Add the SYSGEN variable for the Catalog item to the %_PLATFORMROOT%\BSP1\BSP1.bat file.
D. Add the SYSGEN variable for the Catalog item to the SOURCES file of the OEM adaptation layer (OAL).

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
You are configuring the memory layout for a board support package (BSP). You need to allocate a region of memory to be used as ROM in the memory map. What should you do?

A. In the config.bib file, add a RAMIMAGE section.
B. In the boot loader, mark the boot partition as read-only.
C. In the platform.reg file, add an entry to the Resources key.
D. In the platform.bat file, define the RESERVE_MEMORY environment variable.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 32
You are configuring the memory layout for a board support package (BSP). The Windows Embedded CE run-time image contains a device driver. You need to allocate physical memory for a DMA buffer of the device driver. What should you do?

A. In the boot loader, call malloc in the main.c source file.
B. In the platform.reg file, add an entry to the Resources key.
C. In the platform.bat file, define the RESERVE_MEMORY environment variable.
D. In the config.bib file, define a RESERVED region that does not overlap another region.

Correct Answer: D
Section: (none)

Explanation

Explanation/Reference:

QUESTION 33
You are implementing power management for a target hardware platform.
You need to ensure that the board support package (BSP) includes support for the suspend power state.
What should you do?

A. Add a battery driver to the BSP.
B. Add the Power Manager Catalog item.
C. Implement OEMIdle() in the OEM adaptation layer (OAL).
D. Implement OEMPowerOff() in the OEM adaptation layer (OAL).

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34
You have a board support package (BSP) for a target hardware platform in the %_PLATFORMROOT%\BSP1 folder. The %_PLATFORMROOT%\BSP1\files folder contains a file named logo.bmp. You need to include the file in the Windows Embedded CE run-time image for every OS design that uses the BSP. What should you do?

A. From Microsoft Visual Studio 2005, run Add-in Manager.
B. From Microsoft Visual Studio 2005, run Import and Export Settings Wizard.
C. In the platform.bib file, create an entry in the FILES section.
D. In the platform.bib file, create an entry in the MODULES section.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 35
You are implementing power management for a target hardware platform. You need to ensure that the CPU enters a low power state when there are no threads available to run.
What should you do?

A. Add the Power Manager Catalog item to the OS design.
B. Add a battery driver to the board support package (BSP).
C. Implement OEMIdle() in the OEM adaptation layer (OAL).
D. Implement OEMPowerOff() in the OEM adaptation layer (OAL).

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 36
You need to add an Installable ISR (IISR) dynamic-link library (DLL) to a Windows Embedded CE run-time image. What should you do?

A. In the HKLM\Init registry key, add a value for the DLL.
B. In the HKLM\Drivers\BuiltIn registry key, add a value for the DLL.
C. In the platform.bib file, add an entry for the DLL. Mark the entry as non-trusted.
D. In the platform.bib file, add an entry for the DLL. Mark the entry as kernel-mode.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 37
You have a target hardware platform that has a display, a keyboard, a serial port, and an LED. The target hardware does not support Extended Debugging Interface (eXDI). The development team modifies the boot loader source code. You discover that the boot loader fails to run. You need to identify which line of code prevents the boot loader from running. What should you do?

A. Enable the kernel profiler.
B. Enable Remote Call Profiler.
C. From the kernel debugger, set a breakpoint.
D. From the boot loader source code, trigger the LED.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 38
You have a new Windows Embedded CE run-time image and a custom driver API. You need to use Windows Embedded CE Test Kit (CETK) to validate that the custom driver API is running correctly within the run-time image. What should you do first?

A. Review the contents of the Threads window.
B. Create a custom remote tools application.
C. Create a custom version of clientside.exe.
D. Create a custom Tux dynamic-link library (DLL).

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 39
You have a Windows Embedded CE thin client. You notice that when you type on the keyboard, the characters fail to appear immediately on the screen. You need to identify which thread is causing the performance degradation. What should you do?

A. Open a Watch window.
B. Run Remote File Viewer.
C. Enable the kernel profiler.
D. Run Remote Registry Editor.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 40
You have a driver that uses debug zones. The test team reports that the driver causes an error. You need to use debug zones to identify the source of the error. What should you do?

A. Add a new debug zone for the drivers DllMain entry point.
B. Comment out all debug zone code and run Remote Performance Monitor.
C. Set breakpoints at all the entry points and run Remote Zoom.
D. Enable all debug zones and review the information generated in the Output window.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 41
You have a Windows Embedded CE run-time image for an OS design. You need to verify whether out-of-memory errors cause applications to fail. What should you do?

A. From Windows CE Test Kit (CETK), run a Stress KITL Test.
B. From Windows CE Test Kit (CETK), run a Modular Stress Test.
C. From the Remote Tools menu, run Remote Performance Monitor.
D. From the Remote Tools menu, run Remote Call Profiler and enable Monte Carlo profiling.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 42
You have a Windows Embedded CE run-time image for an OS design. You modify the platform.reg file in the board support package (BSP). You need to apply the changes to the run-time image. What should you do?

A. Run sysgen_capture.bat.
B. Run buildrel.bat, and then run makeimg.exe.
C. Copy platform.reg to the Windows CE client.
D. Open Remote Registry Editor, and then export the registry key.

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:

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QUESTION 43
You have a Windows Embedded CE run-time image that contains a custom Catalog item. You need to verify that the Catalog items registry keys are in the run-time image before you deploy the image. What should you do?

A. Run Object Browser.
B. Review Resource View.
C. Review the reginit.ini file.
D. Review the project.bib file.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 44
You are configuring the memory layout for a board support package (BSP). The Windows Embedded CE run-time image contains a device driver. You need to allocate physical memory for a DMA buffer of the device driver. What should you do?

A. In the boot loader, call malloc in the main.c source file.
B. In the platform.reg file, add an entry to the Resources key.
C. In the platform.bat file, define the RESERVE_MEMORY environment variable.
D. In the config.bib file, define a RESERVED region that does not overlap another region.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 45
You have a new Windows Embedded CE run-time image and a custom driver API. You need to use Windows Embedded CE Test Kit (CETK) to validate that the custom driver API is running correctly within the run-time image. What should you do first?

A. Review the contents of the Threads window.
B. Create a custom remote tools application.
C. Create a custom version of clientside.exe.
D. Create a custom Tux dynamic-link library (DLL).

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 46
You have a Windows Embedded CE run-time image. You develop an application named App1.exe. You include the application in the run-time image. You need to add the application to the Start menu. What should you do?

A. Create an App1.Ink file. Add an entry for App1.Ink to the project.db and project.reg files.
B. Create an App1.Ink file. Add an entry for App1.Ink to the project.bib and project.dat files.
C. Create a value for App1.exe. Add the value for App1.exe to the [HKEY_LOCAL_MACHINE\Init] registry key.
D. Create a value for App1.exe. Add the value for App1.exe to the [HKEY_LOCAL_MACHINE\Startup] registry key.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 47
You implement a stream interface driver for a peripheral device and define the standard stream interface functions. You need to add support for the Power Manager to the driver.
What should you do?

A. Create a new battery driver.
B. Modify the default battery driver.
C. Add IOCTL_POWER_CAPABILITIES and IOCTL_POWER_SET to the OEMIoControl function.
D. Add IOCTL_POWER_CAPABILITIES and IOCTL_POWER_SET to the XXX_IOControl function.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 48
You are implementing power management for a target hardware platform. You need to ensure that the CPU enters a low power state when there are no threads available to run.
What should you do?

A. Add the Power Manager Catalog item to the OS design.
B. Add a battery driver to the board support package (BSP).
C. Implement OEMIdle() in the OEM adaptation layer (OAL).
D. Implement OEMPowerOff() in the OEM adaptation layer (OAL).

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 49
You have a Windows Embedded CE run-time image for an OS design. You need to verify whether out-of-memory errors cause applications to fail. What should you do?

A. From Windows CE Test Kit (CETK), run a Stress KITL Test.
B. From Windows CE Test Kit (CETK), run a Modular Stress Test.
C. From the Remote Tools menu, run Remote Performance Monitor.
D. From the Remote Tools menu, run Remote Call Profiler and enable Monte Carlo profiling.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 50
You have a Windows Embedded CE run-time image. You do not have the OS design for the run-time image. You need to identify which Windows CE Catalog items are contained in the run-time image. What should you do?

A. Review the contents of the \Windows\nk.exe file.
B. Review the contents of the \Windows\ceconfig.h file.
C. From the Remote Tools menu, run Remote Registry Editor.
D. From the Remote Tools menu, run Remote System Information.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 51
You are developing power management applications in an OS design. You need to ensure that the applications receive notifications from Power Manager. What should you do?

A. Call the DevicePowerNotify function.
B. Call the RequestPowerNotifications function.
C. Change a value for the [HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Power] registry key.
D. Change a value for the [HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Power\ActivityTimers] registry key.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 52
You are developing an application. The application uses a device driver. You need to ensure that the device operates in a specific power state while the application is running. What should you do?

A. Send a WM_HIBERNATE message.
B. Call the SetPowerRequirement function.
C. Set the _T(PowerManager/ReloadActivityTimeouts) event.
D. Modify the values under the HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Power\Interfaces registry key.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 53
You have a Windows Embedded CE run-time image that contains a custom Catalog item. You need to verify that the Catalog items registry keys are in the run-time image before you deploy the image. What should you do?

A. Run Object Browser.
B. Review Resource View.
C. Review the reginit.ini file.
D. Review the project.bib file.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 54
You have a driver that uses debug zones. The test team reports that the driver causes an error. You need to use debug zones to identify the source of the error. What should you do?

A. Add a new debug zone for the drivers DllMain entry point.
B. Comment out all debug zone code and run Remote Performance Monitor.
C. Set breakpoints at all the entry points and run Remote Zoom.
D. Enable all debug zones and review the information generated in the Output window.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 55
You are configuring the memory layout for a board support package (BSP). The Windows Embedded CE run-time image contains a device driver. You need to allocate physical memory for a DMA buffer of the device driver. What should you do?

A. In the boot loader, call malloc in the main.c source file.
B. In the platform.reg file, add an entry to the Resources key.
C. In the platform.bat file, define the RESERVE_MEMORY environment variable.

D. In the config.bib file, define a RESERVED region that does not overlap another region.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 56
You have a Windows Embedded CE run-time image. You develop an application named App1.exe. You include the application in the run-time image. You need to add the application to the Start menu. What should you do?

A. Create an App1.Ink file. Add an entry for App1.Ink to the project.db and project.reg files.
B. Create an App1.Ink file. Add an entry for App1.Ink to the project.bib and project.dat files.
C. Create a value for App1.exe. Add the value for App1.exe to the [HKEY_LOCAL_MACHINE\Init] registry key.
D. Create a value for App1.exe. Add the value for App1.exe to the [HKEY_LOCAL_MACHINE\Startup] registry key.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 57
You develop a Control Panel item named xyz.dll for an OS design. You need to ensure that the item is displayed in Control Panel. What should you do?

A. Set CPL=1 in the items SOURCES file. Add an entry to the MEMORY section of the config.bib file.
B. Set CPL=1 in the items SOURCES file. Add an entry to the MODULES section of the project.bib file.
C. Set SOURCES=XYZ.dll in the items SOURCES file. Add an entry to the MODULES section of the project.bib file.
D. Set SOURCES=XYZ.dll in the items SOURCES file. Add an entry to the MEMORY section of the config.bib file.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 58
You have a Windows Embedded CE run-time image for an OS design. You need to ensure that third-party developers can develop applications for the OS design. What should you provide to the developers?

A. a board support package (BSP)
B. a software development kit (SDK)
C. a Windows CE run-time image
D. an XML help file

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 59
You have a stream interface device driver and an application. You need to open the driver from the application. Which function should you call?

A. ActivateDevice
B. CreateFile
C. DeviceIoControl
D. FindNextFile

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 60
You are developing a device driver. The device driver must handle an interrupt. You need to ensure that the driver can identify the appropriate SYSINTR_ value for the interrupt. What should you do?

A. Set the SYSTINTR_ value in the MEMORY section of config.bib.
B. Set the interrupt request (IRQ) value in the MEMORY section of config.bib.
C. Call the KernelIoControl function that contains the IOCTL_HAL_REQUEST_SYSINTR parameter and the interrupt request (IRQ) number.
D. Call the DeviceIoControl function that contains the IOCTL_HAL_REQUEST_SYSINTR parameter and the interrupt request (IRQ) number.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 61
You need to dynamically load a device driver by generating a request to the device manager. Which function should you call?

A. ActivateDeviceEx
B. CreateFile
C. LoadDriver
D. LoadLibrary

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 62
You are implementing a driver that runs in user mode. You need to ensure that the driver can communicate

with a hardware device by accessing a block of physical addresses.
Which function should you call?

A. BusTransBusAddrToVirtual
B. GlobalMemoryStatus
C. MapCallerPointer
D. SetProcPermissions

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 63
You have a Windows Embedded CE run-time image. You do not have the OS design for the run-time image. You need to identify which Windows CE Catalog items are contained in the run-time image. What should you do?

A. Review the contents of the \Windows\nk.exe file.
B. Review the contents of the \Windows\ceconfig.h file.
C. From the Remote Tools menu, run Remote Registry Editor.
D. From the Remote Tools menu, run Remote System Information.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 64
You are developing power management applications in an OS design. You need to ensure that the applications receive notifications from Power Manager. What should you do?

A. Call the DevicePowerNotify function.
B. Call the RequestPowerNotifications function.
C. Change a value for the [HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Power] registry key.
D. Change a value for the [HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Power\ActivityTimers] registry key.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 65
You are developing an application. The application uses a device driver. You need to ensure that the device operates in a specific power state while the application is running. What should you do?

A. Send a WM_HIBERNATE message.
B. Call the SetPowerRequirement function.

C. Set the _T(PowerManager/ReloadActivityTimeouts) event.
D. Modify the values under the HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Power\Interfaces registry key.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference: