Intel Server Specialist Certification Exam

1. How many 6Gb SATA ports does the Intel@ Serverboard S2600CW have? Please choose your answer from the list below.

A. 10 ports

B. 0 ports

C. 6 ports

D. 2 port

E. 4 ports

Answer(s): A

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2. Below is a step in the server management configuration process. Which of the following is true about this command?

A. This DOS command allows a super user to replace the file system within the BMC, reformatting the data area down to a low-level format prior to a system restore.

B. This SYSCFG command, Restore File System, is used to restore a backup of the server management settings. This is an efficient method of restoring the BMC settings if they have been lost or deleted.

C. This SYSCFG command, Reset Factory Settings, can be used to erase all BMC management settings. This command can be used to reset themanagement settings to support reconfiguration of management, without carrying over previous management settings.

D. This SYSCFG command, Refreshes Sensors, resets the sensor values and forces the BMC to rescan all sensors to update the Sensor Data Records (SDR). This is used when a system error has been resolved, but the status remains critical in the SDR.

Answer(s): C

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3. Which of the following are features of Intel@ VT-d technology (Intel@ VT Technologyfor directed I/O)? (Select ALL that apply).

A. Improves I/O performance through direct assignment of a device to a VM

B. Is a requirement for the use of Microsoft Hyper-V

C. Enablesthe use of Virtual NICs and Switches inside a Hypervisor

D. Is a requirement for the use of VMWare ESX 4

E. Improves system reliability by containing and reporting errant DMA to software (i.e. OS or VMM)

Answer(s): A,E

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4. Your customer is asking you as an Intel@ Server Specialist for some clarification on RAID arrays on the Grantley generation of server products. In particular they need to know which RAID levels can be achieved on S2600CW2S. How would you advise your customer from the list below?

A. 0, 1, 10, 5

B. 0, 1, 1E

C. 0, 1, 1E, 10, 5, 50 through the upgrade key AXXRPFKHY5

D. 0, 1, 10, 5, 6

E. 0, 1, 1E, 10, 5 through the updgrade key AXXRPFKHY5

Answer(s): C

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5. A customer asks which technologies are supported in Intel@ Server Chipsets. How should an Intel@ Server Specialist respond from the following options?

A. Intel@Virtualisation Technology for Routing

B. Intel@ Virtualisation Technology for Connectivity

C. Intel@ Virtualisation Technology for Directed I/O

D. Virtual Machine Device Queues

Answer(s): C

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6. Your customer has asked you to enable BMC management and remote access. They are now asking you to walk them through the different features which are available via the Embedded Web Server. They would like to see what the current power draw of the server is. Please choose all the correct answers from the list below:

A. Configuration Tab, Node Manager and Power Monitor

B. Server Health Tab and Power statistics

C. System Information Tab and power monitor

D. System Information Tab, FRU Information and Power Monitor

Answer(s): B

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7. Which of the following tools can clone a system configuration (BIOS/BMC/FRU/SDR settings)? (Select ALL that apply).

A. Intel@ Multi-Server Manager

B. Rapid@ Deployment Toolkit

C. StorCLI

D. Intel@ System Clone Console

E. SYSCFG

F. Intel@ Active System Console

G. Intel@ Deployment Assistant

Answer(s): E,G

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8. An Intel@ Server Specialist is helping a customer configure their RAID using the Intel@ RAID Web Console. The Specialist advises the customer to use Auto-Configuration Mode as it automatically creates the best possible RAID-configuration for the available hardware. Which of the following configurations are NOT supported using this mode? (Select ALL that apply).

A. Auto Configuration cannot be used when using more than one backplane.

B. Auto Configuration cannot be used with SSD drives.

C. Auto Configuration cannot be used for creating RAID on 2 HDDs.

D. Auto Configuration cannot be used for RAID 10, 50, or 60.

E. Auto Configuration cannot be used with mixed SATA and SAS drives.

Answer(s): D,E

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9. Your customer is in the market to upgrade their infrastructure. A key requirement is the number of add-in components that each server can support. Please advise your customer which systems have the largest number of PCIe expansion slots. (Select ALL that apply).

A. Intel @Compute Module HNS2600TP

B. Intel @ Compute Module HNS2600KPF

C. Intel @ Compute Module HNS2600KP

D. Intel @ Server System R2208WTTYS

E. Intel @ Server Board S2600CW2

F. Intel @ Server System R2224WTTYS

G. Intel @ Server Board S2600CWT

H. Intel @ Server System R2208WT2YS

Answer(s): D,H

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10. Your customer has enabled BMC management and remote access in the event that they need youthe Intel@ Server Specialist to perform remote reporting or diagnostics. They want to know if chassis status lights and buttons are available via the Embedded Web Server, and if so which ones. (Select ALL that apply).

A. Power, reset and chassis id buttons are available

B. Only the power LED is visible through the EWS

C. Only power and reset buttons are available

D. The power, chassis id and status LEDs are available

E. Only the power and status LEDs are visible via the EWS

F. Only the chassis id isavailable through the EWS

Answer(s): A,D

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11. A reseller would like to obtain a simple command line utility that their customer can use to retrieve System Event Log information remotely. Which of the following tools is recommended to support this requirement and how would the reseller acquire it? (Select ALL that apply).

A. DPCCLI can be used to support this function.

B. The Intel@ Deployment Assistant could be used to boot into configuration mode and complete the relevant SEL download.

C. Stand-alone Intel Server Management Utilities include a command line utility that can support this function.

D. The PCT Tool can be used to test the system and download the SEL and other test logs to the Remote Testing Console (RTC).

E. The tool to support this function can be downloaded via downloadcenter.intel.com

F. The tool that can be used to support this function can be purchased as a separate SKU item via Intel Authorized Distributors

G. The tool that can be used to support this function is onlyavailable on the CD shipped with the specific SKU.

Answer(s): C,E

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12. As an Intel@ Server Specialist, you are educating your customer on the different memory offeringsthat are available in the current server generation. How many UDIMMs per channel can be installed in the Grantley servers?

A. 3 UDIMMs per channel

B. 2 UDIMMs per channel

C. 0 UDIMMs per channel

D. 4 UDIMMs per channel

E. 1 UDIMMs per channel

Answer(s): C

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13. Your customer is discussing the use of ECC in memory modules and wants to know what ECC means. How would you answer this question?

A. Enlarged Capacity Contain

B. Extended Cache Check

C. Expeditious Crash Caution

D. Error Correcting Code

E. Enhanced Channel Control

Answer(s): D

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14. Which of the following is the maximum capacity of a RAID 5 array (i.e. disk space where N = the number of disks)?

A. N -1

B. N -2

C. The total of all disk space

D. 1/2 the total of all disk space

Answer(s): A

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15. Your customer calls with an error message they noticed while making some changes in the BIOS setup screen; stating that the "SEL is full." What does this mean and how would you advise your customer to correct this error from the list below?

A. They should clear the SEL using SELclear utility

B. They should clearthe SEL using SELViewer

C. They should enable the option "Clear the SPI flash memory."

D. They should enable the option "Clear SEL" in BIOS

E. They should install an additional flash drive for the SEL

Answer(s): B

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16. When creating virtual machines your customer asks how to set up each virtual machine and in particular whether there is any feature that provides direct access for PCIe devices to the virtual machines. How would you answer this question?

A. VMDQ

B. SR-IOV

C. GVRP

D. IQAA

E. AES-NI

Answer(s): B

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17. Your customer is in the market for more storage but critically it has to be the highest bandwidth available, whilst also being hot-swappable. Your customer needs a system that

A. a,c,e

B. b,d,e,g

C. a,b,f,g

D. a,c,f

E. a,b,c,d

Answer(s): A

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18. A reseller would like to confirm that the chassis fans for an Intel@ Server Chassis are connected to the correct headers on the installed Intel@ Server Board. Which of the following documentation could be used to obtain this information?

A. The technical specifications of the Intel@ Server Board will show the proper connections.

B. The Quick Start Guide for the Intel@ Server Board shows the required connections.

C. TheTPS for the Intel@ Server Chassis will contain details for the fans included in the specific chassis.

D. The TPS for the Intel@ Server Board will contain detailsfor the fan headers for the specific server board.

Answer(s): B

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19. Your customer calls you foradvice wanting to know how 6 drives could best be used to create two RAID arrays under one hardware RAID controller; one for the OS installation and one for critical data storage. Which of the following would you advise as the choice with the highest reliability?

A. 2 drives as a RAID 1 for the OS, 4 drives as a RAID 6 for the data

B. 4 drives asa RAID 10 for the OS, 2 drives as a RAID 0 for the data

C. All 6 drives as a RAID 6, use OS level partition feature to isolate OS volume and data volume

D. 3 drives as a RAID 0 for the OS, 3 drives as a RAID 5 for data

Answer(s): A

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20. Which of the following is the function of the command 'FS0:\SUP> frusdr.efi /d sdr'?

A. Display SDR records

B. Update FRUSDR for server system

C. Downgrade SDR version

D. Delete SDR records from server system

Answer(s): A