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Vendor: CompTIA

Exam Code: ISS-001

Exam Name: Intel Server Specialist Certification Exam

Version: Demo

QUESTION NO: 1

Which of the following documents and tools would a technician use to help determine the correct parts necessary to build an Intel server? (Select TWO).

- A. Quick Start Guide
- B. Configuration Guide
- C. Intel Server Configurator Tool (SCT)
- D. Product Change Notification (PCN)
- E. Technical Product Specification (TPS)

Answer: B,C

QUESTION NO: 2

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

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

Answer: A

QUESTION NO: 3

A customer has asked an Intel® Server Specialist to provide them with a 1U, 2-socket server. The customer has concerns about power consumption. Which of the following configurations would offer the MOST energy efficient solution?

- A. Intel® Server System SR1695WB
- B. Intel® Server System SR1630HGP
- C. Intel® Server System SR1600URLX
- D. Intel® Server System SR2625URBRP

Answer: A

QUESTION NO: 4

A customer is designing a security appliance, and has asked an Intel® Server Specialist to supply them with a 1-socket rack mount server with as many Gigabit Ethernet ports as possible. Which of the following configurations would be the MOST appropriate to recommend?

- A. Intel® Server System SR1695GPRX, with Intel® Quad Port Gigabit I/O module, and an Intel® Gigabit ET2 Server Adapter.
- B. Intel® Server System SR1630GP, with an Intel® Quad Port Gigabit I/O module.
- C. Intel® Modular Server System, with additional Gigabit Ethernet mezzanine cards.
- D. Intel® Server System SR1625UR, with Intel® Quad Port Gigabit I/O module, and an Intel® PRO/1000 PT Server Adapter.

Answer: A

QUESTION NO: 5

Why is it important to update the FRU when first building a system?

- A. Updating the FRU enables the server administrator to remotely access the server.
- B. Updating the FRU allows the server to configure the fan speed correctly.
- C. Updating the FRU allows for the relevant part numbers to be programmed into NVRAM.
- D. Updating the FRU makes sure the Management Engine is running the most recent firmware.

Answer: C

QUESTION NO: 6

When updating the HSC firmware, where is the flash chip that the new firmware is written to?

- A. On the backplane
- B. On the power distribution board
- C. On the remote management module
- D. On the mainboard

Answer: A

QUESTION NO: 7

Which of the following items are stored in the SDR's? (Select TWO).

- A. BMC remote access settings
- B. Part number information
- C. BMC Operational Code
- D. Fan speed control settings
- E. Voltage sensor thresholds

Answer: D,E

QUESTION NO: 8

When the server operating system is indicating a generic hardware problem, which of the following is the BEST place to check for more information on what the root cause of the issue could be?

- A. The EFI shell
- B. The system BIOS
- C. The operating system event log
- D. The SEL

Answer: D

QUESTION NO: 9

A customer calls and says that a server has suffered a stop error, and intermittently fails to boot. Which of the following is the preferred FIRST step to take?

- A. Connect to the SEL via the DPC CLI.
- B. Ask the customer to return the server.
- C. Ask the customer to reseal the memory.
- D. Start a remote desktop session to the server.
- E. Connect to the remote management module if present.

Answer: E

QUESTION NO: 10

The Intel® Server Board S5520UR has two different headers through which front panel signals can be routed. Which of the following documents would a server technician use to identify the pin-out of each header?

- A. The Technical Product Specification
- B. The Service Guide
- C. The Quick Start Guide
- D. The Spare Parts and Configuration Guide

Answer: A

QUESTION NO: 11

The Intel® Server Board S5520UR has two different headers through which front panel signals can be routed. Which of the following documents would a technician use to identify the headers used in a particular chassis?

- A. The Quick Start Guide
- B. The Service Guide
- C. The Technical Product Specification
- D. The Spare Parts and Configuration Guide

Answer: B

QUESTION NO: 12

Which of the following chassis are compatible with the Intel® Server Board S5520UR? (Select TWO).

- A. Intel® Server Chassis SR1600
- B. Intel® Server Chassis SR1625
- C. Intel® Server Chassis SR1630
- D. Intel® Server Chassis SR1640
- E. Intel® Server Chassis SR1695

Answer: A,B

QUESTION NO: 13

Which of the following is MOST likely to cause a stop error on a 5520 Chipset based Server Board?

- A. CMOS checksum error
- B. PCI bus error
- C. Single drive failure in a RAID 1 set
- D. Memory ECC single bit error

Answer: B

QUESTION NO: 14

Which of the following RAID levels should an Intel® Server Specialist recommend to a customer who must have the highest reliability available, but only has room for four hard drives?

- A. RAID 1
- B. RAID 5
- C. RAID 6
- D. RAID 10

Answer: C

QUESTION NO: 15

Which of the following RAID levels should an Intel® Server Specialist recommend to a customer who needs the highest write performance, but only has room for four hard drives?

- A. RAID 1
- B. RAID 5
- C. RAID 6
- D. RAID 10

Answer: D

QUESTION NO: 16

An Intel® Server Board is integrated into an Intel® Server Chassis and uses the latest system update package to bring the BIOS and firmware to the most up-to-date versions. After this process, an Intel® Server Specialist finds that the system fans still spin at full speed, even when the system is idle. Which of the following is the MOST likely cause of this?

- A. The memory DIMMs in the system do not have a thermal sensor.
- B. The processor has reached the thermal throttling point.
- C. One of the system fans is connected to the wrong header.
- D. The chassis intrusion switch is malfunctioning.

Answer: C

QUESTION NO: 17

Most Intel servers support memory reliability features like ECC memory, memory scrubbing, mirroring, and sparing. Which of the following features gives the HIGHEST level of memory reliability?

- A. Spare channel mode
- B. Mirrored channel mode
- C. ECC memory
- D. Patrol read/scrubbing

Answer: B

QUESTION NO: 18

On an Intel® Server Board S5520HC, which of the following is the MAXIMUM possible memory speed that can be reached when the system is configured with 12 DIMMs and 2 Intel® Xeon® Processors X5560?

- A. 800 MHz
- B. 1066 MHz
- C. 1333 MHz
- D. 1600 MHz

Answer: B

QUESTION NO: 19

On an Intel® Server Board S5520HC, which of the following is the MAXIMUM possible memory speed that can be reached when the system is configured with 12 DIMMs and 2 Intel® Xeon® Processors X5650?

- A. 800 MHz
- B. 1066 MHz
- C. 1333MHz
- D. 1600 MHz

Answer: C

QUESTION NO: 20

Which of the following items are features of IPMI, implemented on Intel® Server Boards? (Select THREE).

- A. Built-in web server
- B. Monitoring of fan speeds
- C. Increased processor speed

- D. System event log
- E. Remote alerting via PET traps
- F. Remote keyboard ,video, mouse, and media redirection

Answer: B,D,E

QUESTION NO: 21

Which of the following utilities can an Intel® Server Specialist use to configure the BMC remote access settings? (Select THREE).

- A. syscfg.efi
- B. FRUSDR
- C. fwpiaupd.efi
- D. BIOS setup utility
- E. IDA
- F. OFU

Answer: A,D,E

QUESTION NO: 22

A customer calls and explains that after a server had been working for six months, it now seems to have developed a fault. The status LED is amber coloured and the fans are spinning at full speed. The technician does not have remote access to the system. Which of the following utilities would be the BEST to run in order to diagnose the issue?

- A. sysinfo
- B. IDA
- C. OFU
- D. selview

Answer: A

QUESTION NO: 23

Which of the following is a direct benefit of the Intel® AES-NI technology in the Intel® Xeon® 5600 Series Processors?

- A. Provides a secure interface for virtual machines
- B. Allows for automatic energy savings
- C. Increased encryption and decryption performance
- D. Provides an autonomous Ethernet interface

Answer: C

QUESTION NO: 24

A customer has a system based on an Intel® Workstation Board S5520SC, with 2 Intel® Xeon® Processors X5670 and 12x DDR3 ECC RDIMMs populated. The system is reporting memory failures on DIMM A1. The company's Specialist swaps this DIMM with a known working one, and the error remains on DIMM slot A1. Next the Specialist replaces the processor and motherboard, and the error still persists on the same slot. Which of the following is the MOST likely cause of this error?

- A. There is an issue with the operating system.
- B. The power supply is supplying an incorrect voltage on the 1.5V line.
- C. There is a motherboard standoff installed in the wrong position.
- D. The chassis has not been earthed properly.

Answer: C

QUESTION NO: 25

An Intel® Server Specialist has just integrated a system and has now powered it on for the first time. The monitor stays black and the specialist hears three beeps. Which of the following is the MOST likely cause of this?

- A. BMC self test failure
- B. BIOS corruption
- C. Faulty processor
- D. Incompatible memory

Answer: D

QUESTION NO: 26

An Intel® Server Specialist has an Intel® Server Board S5520HC based system with a RAID 1 volume on the onboard SATA RAID controller, and Windows Server 2003 SP2 installed. Which of the following does the specialist need in order to enable email alerting in case of a RAID failure?

- A. An Intel® Remote Management Module 3
- B. EFI Raid Command Tool
- C. RAID Web Console 2
- D. BMC configured for alerting using the Intel® Deployment Assistant CD

Answer: C

QUESTION NO: 27

Intel provides firmware update packages for the Intel® Modular Server. Can an Intel® Server Specialist simply use these to update a system, whenever a new package becomes available?

- A. No, the installation instructions must be checked for minimum firmware levels before the update.
- B. Yes, update, provided this is the first time you are integrating the system following initial build.
- C. Yes, the system will automatically update itself from any previous firmware level to the current level.
- D. No, you should never upgrade the firmware on the Intel® Modular Server

Answer: A

QUESTION NO: 28

Which of the following items are required, to allow the use of SATA SSD drives, in an Intel® Modular Server Chassis MFSYS25? (Select THREE).

- A. The latest drive firmware from the hard drive manufacturer
- B. Firmware level 4.0 or higher

- C. Do not mix drive types (SAS/SATA) within a storage pool
- D. Firmware level 5.0 or higher
- E. AXXTM3 SATA converter

Answer: C,D,E

QUESTION NO: 29

Where does the Intel® Modular Server store the CMM & Ethernet switch configuration information?

- A. On a small section of the hard drives installed in the system.
- B. On the SD card that plugs into the chassis mid-plane.
- C. On the flash EEPROM in the Chassis Management Module.
- D. In the flash EEPROM of each individual component.

Answer: B

QUESTION NO: 30

Where does the Intel® Modular Server store its storage configuration information?

- A. On a small section of the hard drives installed in the system.
- B. In the flash EEPROM of each individual component.
- C. On the SD card that plugs into the chassis mid-plane.
- D. On the flash EEPROM in the Chassis Management Modules.

Answer: A

QUESTION NO: 31

A customer has had a Intel® Server System SR1630BC server in use for six months, with a single processor installed. The customer now wants to add a second processor. Why is it important to run the frusdr update after installing the second processor in the system? (Select TWO).

- A. Without running the update, the server will not be able to monitor and issue alerts on any status changes or errors on the second processor
- B. Without running the update, the server will not have the greatest efficient running speed with the combination of both processors
- C. Without running the update, the server will not have the correct microcode for the second processor
- D. Without running the update, the server will not be able to use the second processor
- E. Without running the update, the server will not be able to monitor the second processor's thermal levels

Answer: A,E

QUESTION NO: 32

Which of the following is the main difference between the Intel® Server Board S3420GPLC, Intel® Server Board S3420GPLX, Intel® Server Board S3420GPRX and Intel® Server Board S3420V server boards with regard to server management?

- A. The Intel® Server Board S3420GPRX can use any of its five onboard LAN ports for server management.
- B. All skus, except the Intel® Server Board 3420GPV come with a built-in remote management module.
- C. All skus, except the Intel® Server Board S3420GPLC come with a built-in remote management module.
- D. The Intel® Server Board S3420GPV does not have an iBMC and therefore does not support OOB management.

Answer: D

QUESTION NO: 33

In which of the following scenarios, would an Intel® Server Specialist typically use the 'Prepare for Transport' option on an Intel® Modular Server? (Select TWO).

- A. This should be used before inserting compute modules into another chassis.
- B. This should be used before moving all hard drives in the system to another chassis.
- C. This needs to be used before transporting the whole system to another location.
- D. This should be used before removing a defective component and then replacing it with a new one.

E. This should be used before removing all hard drives and re-inserting them into the same chassis later.

Answer: B,E

QUESTION NO: 34

Which of the following processors is used on the Intel® Server Board S3420GP?

- A. Intel® Xeon® 3200 series
- B. Intel® Xeon® 3400 series
- C. Intel® Xeon® E3 series
- D. Intel® Xeon® 5500 series

Answer: B

QUESTION NO: 35

Which is the LARGEST capacity single UDIMM that is supported in the Intel® Server Board S3420GPV?

- A. 2GB
- B. 4GB
- C. 8GB
- D. 16GB

Answer: B

QUESTION NO: 36

Which of the following is the method for using 'Instant Secure Erase' with the Full Disk Encryption Premium Feature Key?

- A. A new encryption key is written
- B. Zeros are written to all sectors of the disk drive

- C. The on-board encryption key is overwritten
- D. The disk-drive magnet poles are reversed

Answer: C

QUESTION NO: 37

When enabling drive security in a RAID web console, with the Full Disk Encryption Premium Feature Key, which of the following is optional?

- A. The passphrase
- B. Solid state disks
- C. The security key identifier
- D. The security key

Answer: A

QUESTION NO: 38

Which of the following is the MAXIMUM number of point-in-time snapshots that can be made with the Snapshot Premium Feature Key?

- A. 4
- B. 8
- C. 12
- D. 16

Answer: B

QUESTION NO: 39

Which of the following is a requirement when enabling full disk encryption?

- A. Self-encrypting disks
- B. An expander backplane

- C. Minimum of One Xeon® processor
- D. Minimum of 16GB memory installed

Answer: A

QUESTION NO: 40

Which of the following is the device that provides the cache when using SSD cache with Fastpath Premium Feature Key?

- A. System memory
- B. A writable DVD-ROM
- C. Solid state disks
- D. RAID controller memory

Answer: C

QUESTION NO: 41

Where are the 'base volume snapshots' kept?

- A. A flash drive
- B. A writable CD or DVD-ROM
- C. RAID cache memory
- D. The snapshot repository

Answer: D

QUESTION NO: 42

Which of the following documents and tools would help determine the correct parts necessary to build an Intel based server? (Select TWO).

- A. Product Change Notification (PCN)
- B. Intel Server Configurator Tool (SCT)

- C. Quick Start Guide
- D. Configuration Guide
- E. Technical Product Specification (TPS)

Answer: B,D

QUESTION NO: 43

Which of the following are the MAIN advantages of the Intel® Modular Server? (Select THREE).

- A. Single 'Virtual Presence' remote management interface for all system components.
- B. Lower 2-socket node density than traditional 1U, 2-socket servers.
- C. Higher 2-socket node density than traditional 1U, 2-socket servers.
- D. Integrated compute modules, storage and networking.
- E. Diskless compute modules for higher reliability and greater flexibility.

Answer: A,D,E

QUESTION NO: 44

Which of the following are key advantages of the Intel® Server System SR1695GPRX, compared to the Intel® Server System SR1630GP?

- A. Redundant Power Supplies; four onboard Gigabit Ethernet ports, 8 x 2.5" HDDs
- B. Support for optional SAS or a hardware RAID module; five onboard Gigabit Ethernet ports; redundant power supplies
- C. Integrated solid state drive; redundant power supplies; short chassis depth
- D. Support for optional Remote Management Module Lite; five onboard gigabit Ethernet ports

Answer: D

QUESTION NO: 45

Which of the following are genuine Intel Premium Features that provide enhanced feature sets and/or performance to selected Intel® Raid controllers? (Select TWO).

- A. Intel® Raid Port Multiplexer
- B. Intel® Raid Drive Encryption Management
- C. Intel® Raid Performance Booster
- D. Intel® Raid Rapid Recovery Snapshot
- E. Intel® Raid SSD Acceleration

Answer: B,D

QUESTION NO: 46

Intel® Deployment Assistant is designed to simplify the setup and configuration of Intel® Server Products. Which of the following features are included with Intel® Deployment Assistant? (Select THREE).

- A. Server cloning
- B. Cross-compatibility with a wide range of Intel architecture based server products
- C. Single interface for configuring system BIOS, management, and RAID settings
- D. Memory and storage sizing guidance by application type
- E. Unattended operating system installation

Answer: A,C,E

QUESTION NO: 47

Intel® I/O expansion modules provide options for external connectivity, without using a standard PCIe slot. Which of the following are currently available Intel® I/O Expansion Modules? (Select THREE).

- A. Intel® Dual Port Intel 82598EB 10 Gigabit Ethernet
- B. Intel® Quad Port Intel 82576EB Gigabit Ethernet
- C. Single Port QDR Infiniband*
- D. Dual Port SDR Infiniband*
- E. Intel® Quad Port Intel 82546GB Gigabit Ethernet

Answer: A,B,C

QUESTION NO: 48

An Intel® Server Specialist is supplying a customer with a pedestal-server based on the Intel® Server Board S5520HC. The customer has asked the Specialist for a pedestal form factor, but has requested maximum storage capacity, redundant power, and redundant cooling. Which of the following chassis BEST meets these requirements?

- A. Intel® Server Chassis SC5650BRP
- B. Intel® Server Chassis SC5600LX
- C. Intel® Server Chassis SC5650WS
- D. Intel® Server Chassis SC5600BRP
- E. Intel® Server Chassis SC5400LXI

Answer: B

QUESTION NO: 49

A customer has asked an Intel® Server Specialist for a rack mount server with 6Gbps hard drives in a RAID 5 configuration. Which of the following is the BEST configuration for this request?

- A. Intel® Server System SR1625URR and Intel® Raid Controller RMS2AF080
- B. Intel® Server System SR2625URR and Intel® Raid Controller SRCASARB
- C. Intel® Server System SR1600URR and Intel® Raid Controller RES2SV240
- D. Intel® Server System SR2612URR and Intel® Raid Controller SRCASPH16I
- E. Intel® Server System SR1625URSASR, AXXRASAS2 and AXXMINDIMM512

Answer: A

QUESTION NO: 50

An Intel® Server Specialist is building a server for a customer who has specified that only Intel validated memory should be used. Where would the Specialist find a list of tested memory for currently shipping Intel Server Products?

- A. Intel Memory Configuration Tool
- B. Server Configurator Tool
- C. Price List Product Description
- D. Tested Hardware and Operating System List (THOL)
- E. Product Brief

Answer: B

QUESTION NO: 51

A customer wants to buy a single socket server platform, and asks about the differences between a server based on an Intel® Xeon® Processor 3400 series, and one based on an Intel® Xeon® Processor E3-1200. Which of the following statements are correct? (Select TWO).

- A. Intel® Xeon® Processor E3 based systems have higher I/O capacity.
- B. Intel® Xeon® Processor E3 Series have more cores.
- C. Intel® Xeon® Processor E3 based systems can deliver up to 30% more performance.
- D. Intel® Xeon® Processor 3400 based systems do not support ECC memory.

Answer: A,C

QUESTION NO: 52

A customer wants to buy a single socket server platform, and asks about the differences between an Intel® Server Board S3420GPLC, and an Intel® Server Board S1200BTL. Which of the following statements are correct? (Select THREE).

- A. Intel® Server Board S1200BTL supports an Intel® Remote Management Module.
- B. Intel® Server Board S1200BTL supports an Intel TPM Module.
- C. Intel® Server Board S1200BTL supports less total memory than the Intel® Server Board S3420GPLC.
- D. Intel® Server Board S1200BTL supports an Intel® Raid Module to enable hardware RAID.
- E. Intel® Server Board S1200BTL is a smaller form factor (micro ATX) than the Intel® Server Board S3420GPLC (ATX).

Answer: A,B,D

QUESTION NO: 53

A company has the following requirements for their new server system:

- 1U rack form factor
- 4 x hard drives in a RAID 6 configuration
- 4 x Gigabit Ethernet ports
- Ability to remotely power the server on and off
- 2 x Intel® Xeon® Processor X5650

Which of the following configurations is the MOST suitable for these requirements?

- A.** Intel® Server System SR1625URSASR, AXXRAKSAS2, AXXRMM3, AXXMINIDIMM512, AXXGBIOMOD
- B.** Intel® Server System SR1695GPRX, AXXRMMLITE, AXXROMBSASMR
- C.** Intel® Server System SR1695WBR, AXXGBIOMOD, AXXRMM3
- D.** Intel® Server System SR2625URLXR, AXXRAKSAS2, AXXMINIDIMM512, AXX10GBIOMOD
- E.** Intel® Server System SR1600URSASR, AXXRAKSAS2, AXXRMM3, AXXMINIDIMM512, AXXGBIOMOD

Answer: A

QUESTION NO: 54

A customer requests a 2-socket server to host a number of virtual machines. The customer requires that the server configuration be validated by both Intel and a specific VMM vendor. Which of the following tools or programs would be MOST suitable in delivering these requirements?

- A.** Intel® Deployment Assistant
- B.** Intel® Cluster Ready
- C.** Intel® ESAA Programme
- D.** Intel® Rapid Deployment Toolkit
- E.** Intel® Software Network

Answer: C

QUESTION NO: 55

Which of the following benefits does the Intel® Cloud Builders program provide when creating a

cloud business strategy for a company? (Select TWO).

- A. Cloud Reference Architectures
- B. Cloud Proof of Concepts
- C. Complete Cloud Solutions from Intel
- D. Intel® Cloud Builders Logo
- E. Free Development Hardware for Cloud Developers

Answer: A,B

QUESTION NO: 56

An Intel® Server Specialist is building a server for a customer based on an Intel® Server Chassis SC5600BRP, and must provide the following features:

- Drive encryption
- Support for 8 x 6Gbps internal hard drives in a RAID 6 configuration
- Minimum of 512MB cache memory

Which of the following RAID solutions would deliver these features? (Select TWO).

- A. Intel® Raid Controller RS2BL080DE
- B. Intel® Raid Controller RS2BL040, AXXRPFKDE
- C. Intel® Integrated Server RAID Module RMS2MH080, AXXRPFKDE
- D. Intel® Raid Controller RS2WC080
- E. Intel® Raid Controller RS2PI008DE

Answer: A,C

QUESTION NO: 57

Upgrading selected Intel® RAID Controllers to support SSD Caching and FastPath I/O can significantly improve the performance of a RAID array. Which of the following statements are true? (Select TWO).

- A. SSD Caching will only increase performance in an array with at least 2 x SSDs

- B. SSD Caching improves performance for both Read and Write operations
- C. Any 6Gbps Intel® Raid Controller can be upgraded to support SSD Caching and FastPath I/O
- D. The most significant performance increases from FastPath I/O are in applications with small and random I/O patterns
- E. FastPath I/O will only improve performance in a RAID array populated entirely with SSDs

Answer: D,E

QUESTION NO: 58

The Intel® Modular Server system integrates storage, computing, and networking in one system. Which of the following statements are correct about the Intel® Modular Server System? (Select FOUR).

- A. Can simultaneously support Intel® Xeon® Processor 5000, 5100, 5200, 5300, 5400, 5500 and 5600 Series in the same chassis
- B. Supports either 24 x 2.5" hard drives, or 12 x 3.5" hard drives
- C. Will be available to purchase beyond 2014
- D. Can be fully monitored using Intel® Active System Console
- E. Includes Active-Active redundant storage controllers
- F. Is listed in the VMWare* hardware compatibility list, for use with ESX* 3.5, 4.0 and 4.1, and ESXi* 4.0 and 4.1
- G. Supports Redundant Ethernet Switches, Storage controllers and Management Modules

Answer: A,C,E,F

QUESTION NO: 59

Intel® Active System Console provides a lightweight management console for use with Intel® Server Boards, Systems, and Chassis. Which of the following statements are correct? (Select TWO).

- A. Enables email alerting for critical server issues.
- B. Can monitor up to 50 servers based on Intel® Server Boards, Systems, or Chassis.
- C. Allows setting of power capping policies, using Intel Power Node Manager.
- D. Enables hardware and software inventory management.
- E. Enables automated software patch deployment.

Answer: A,C

QUESTION NO: 60

A customer is designing a 2U appliance, and has asked an Intel® Server Specialist to supply them with a 2-socket 2U rack mount server with as many PCI-E 2.0 slots as possible. Which of the following configurations would be MOST appropriate?

- A. Intel® Server System SR2600URLXR
- B. Intel® Server System SR1625URR
- C. Intel® Server System SR1695GPRX
- D. Intel® Server System SR2520SAXR

Answer: A

QUESTION NO: 61

A customer has asked an Intel® Server Specialist to provide them with a 2-socket workstation. The customer has a requirement for two graphic cards with PCI-E 2.0 X16 slots. Which of the following configurations would meet these requirements?

- A. Intel® Server System SR2625URLX
- B. Intel Workstation System SR1630GP
- C. Intel Workstation System SC5650SCWSR
- D. Intel Workstation System SC5650HCR

Answer: C

QUESTION NO: 62

A customer has asked an Intel® Server Specialist to provide them with a 2-socket 2U rack mount server, which supports six 2.5" SAS HDD. The customer has a requirement for a low profile PCI-E 2.0. Which of the following configurations would meet these requirements "out of the box"?

- A. Intel® Server System SR2625URLXR
- B. Intel® Server System SR1625URSASR

- C. Intel® Server System SR2600URLXR
- D. Intel® Server System SR2625URBRPR

Answer: A

QUESTION NO: 63

A customer has asked an Intel® Server Specialist to provide them with a 2-socket 2U rack mount server which support five 3.5" SAS HDD. The customer has a requirement for one PCI-E 2.0 x 16 slot. Which of the following configurations would meet these requirements?

- A. Intel® Server System SR2600URLXR
- B. Intel® Server System SR2625URBRPR
- C. Intel® Server System SR2625URLXR
- D. Intel® Server System SR1625URSASR

Answer: A

QUESTION NO: 64

A customer needs a 2-socket 2U rack mount server which supports five 3.5" SATA HDD. The customer has a requirement for HW RAID. Which of the following configurations would BEST meet this customer's needs?

- A. Intel® Server System SR1625URSASR, with Raid key (AXXRAKSAS2) and mini-DIMM (AXXMINIDIMM512).
- B. Intel® Server System SR2625URLXR, with Raid key (AXXRAKSAS2) and mini-DIMM (AXXMINIDIMM512).
- C. Intel® Server System SR2600URBRPR, with Raid key (AXXRAKSAS2) and mini-DIMM (AXXMINIDIMM512).
- D. Intel® Server System SR2600URLXR, with Raid key (AXXRAKSAS2) and mini-DIMM (AXXMINIDIMM512).

Answer: D

QUESTION NO: 65

Which of the following are correct statements about sysinfo, the system information retrieve utility? (Select THREE).

- A. sysinfo will log the operating system security and user information.
- B. sysinfo supports Windows.
- C. sysinfo supports UEFI (for S5500 and later on platforms).
- D. sysinfo will analyse available logs and provide relevant troubleshooting suggestions.
- E. sysinfo supports Linux (for S5500 and later on platforms).

Answer: B,C,E

QUESTION NO: 66

Which of the following are correct statements about the System Firmware Update Package?

- A. System Firmware Update Package for is able to update RAID controllers.
- B. System Firmware Update Package supports IDA, OFU, WinPE & EFI*.
- C. System Firmware Update Package is able to check for newer versions on line.
- D. System Firmware Update Package enables updating to the Hot Swap Controllers across all Intel server systems.

Answer: B

QUESTION NO: 67

Which of the following is a computing security related feature? (Select TWO).

- A. Intel Platform Security Module
- B. Trusted Platform Module
- C. Intel® Trusted Execution Technology
- D. Intel® Turbo Boost Technology
- E. Error Checking and Correcting

Answer: B,C

QUESTION NO: 68

Which of the following is the MOST robust RAID level with 4 HDDs?

- A. RAID 0
- B. RAID 5
- C. RAID 6
- D. RAID 10

Answer: C

QUESTION NO: 69

Which of the following tools can clone a system configuration? (Select TWO).

- A. Rapid® Deployment Toolkit
- B. Intel® Deployment Assistant
- C. Intel® Active System Console
- D. Intel® Portable Cache Module
- E. SYSCFG
- F. Intel® Multi-Server Manager

Answer: B,E

QUESTION NO: 70

Which of the following steps can be used to restore the default setting of the Intel® server BIOS? (Select THREE).

- A. Clear the CMOS
- B. Jumper select system into BIOS configuration mode
- C. Enter BIOS Setup, Press F9, and then F10
- D. Enter BIOS setup, Load Default values in Exit Page, Select Save changes
- E. Standard System BIOS Update
- F. Run the command Syscfg /rfs

Answer: A,C,D

QUESTION NO: 71

Which of the following BIOS setup pages should be entered to disable the NUMA option?

- A. Advanced-PCI Configuration
- B. Advanced-Processor Configuration
- C. Security Page
- D. Server Management- BMC LAN Configuration
- E. Advanced-Memory Configuration-Memory RAS and Performance Configuration

Answer: E

QUESTION NO: 72

Which of the following BIOS setup pages should be entered to check the BMC/HSC/ME/SDR version?

- A. Server Management - System Information
- B. Advanced - Processor Configuration
- C. Main Page
- D. Advanced-PCI Configuration
- E. Advanced-Memory Configuration-Memory RAS and Performance Configuration

Answer: A

QUESTION NO: 73

Which of the following BIOS setup pages should be entered to configure the onboard SATA mode?

- A. Advanced PCH configuration
- B. Advanced-PCI Configuration
- C. Advanced-Processor Configuration

- D. Advanced-Mass Storage Controller Configuration
- E. Advanced-Disk Configuration

Answer: D

QUESTION NO: 74

Which of the following documents should be referred to for the CPU microcode version currently in use in the server board?

- A. Supported processor list
- B. BIOS Release Notes
- C. Technical product specification
- D. BMC Release Notes
- E. FRUSDR Release Notes

Answer: B

QUESTION NO: 75

Which of the following items does the BIOS report to the Operating System? (Select THREE).

- A. Raid Configuration
- B. ACPI Table
- C. DXE protocol and service
- D. Kernel driver and chipset drivers
- E. E820 Table or memory map
- F. SMBIOS Table

Answer: B,E,F

QUESTION NO: 76

Which of the following features contribute to the energy efficiency of the Intel® Server Systems S1690WBR and S1695WB? (Select THREE).

- A. High Efficiency Power supply
- B. Optimized onboard VR design
- C. Spread cores and Shadow-free design
- D. Balanced Memory bandwidth
- E. BIOS Optimisations
- F. Support for System Power state S 6

Answer: A,B,C

QUESTION NO: 77

Which of the following statements regarding theoretical PCIe bandwidth are INCORRECT?

- A. PCIe gen2 x4 runs at 4GB/s bi-directional
- B. PCIe gen1 x16 runs at 8GB/s bi-directional
- C. PCIe gen3 x8 runs at 16GB/s bi-directional
- D. PCIe gen2 x8 runs at 16GB/s bi-directional

Answer: D

QUESTION NO: 78

Which of the following descriptions is correct for Intel® Server Board S5500BC?

- A. Supports up to 8 DDR3 ECC DIMMs
- B. Has 2 Intel RMM3 connectors
- C. Supports up to 64GB of memory
- D. Supports up to 4 Intel® Xeon® processor 5500 series and 5600 series

Answer: A

QUESTION NO: 79

Which of the following RAID levels requires at least four hard disks?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 10

Answer: D

QUESTION NO: 80

Which of the following products is the BEST fit for 3D design and modeling?

- A. Intel® Workstation Board S5000XVNR
- B. Intel® Server Board S5520BC
- C. Intel® Workstation Board S5520SC
- D. Intel® Server Board S5520UR

Answer: C

QUESTION NO: 81

Which of the following products is the BEST fit for high-density CPU requirements?

- A. Intel® Server System SR1670HV
- B. Intel® Server System SR1690WB
- C. Intel® Server System SR2625UR
- D. Intel® Server System SR1630BC

Answer: A

QUESTION NO: 82

All of the following features are supported by Intel® Server Board S5520SC EXCEPT:

- A. QPI.
- B. Cross fire.

- C. SLI.
- D. Onboard BMC.

Answer: C

QUESTION NO: 83

Which of the following Intel® Server Chassis support a redundant power supply configuration?

- A. Intel® Server Chassis SC5600LX
- B. Intel® Server Chassis SC5650WS
- C. Intel® Server Chassis SC5299UP
- D. Intel® Server Chassis SC5650DP

Answer: A

QUESTION NO: 84

All of the following are supported by Intel® Server Board S5500BC EXCEPT:

- A. Intel® Xeon® processor 5600 series.
- B. PCIe Gen2 x8.
- C. 6 Gbps SATA port.
- D. EFI BIOS.

Answer: C

QUESTION NO: 85

Which of the following Intel® Server System(s) can support up to 36 DIMMS?

- A. Intel® Server System SR1670HV
- B. Intel® Server System SR1690WB
- C. Intel® Server System SR2612UR
- D. Intel® Server System SR1680MV

Answer: D

QUESTION NO: 86

Which of the following hardware management features can be supported on the Intel® Server Board S3420GPLX that is not supported on the Intel® Server Board S3420GPLC?

- A. The Intel® RMM3
- B. The Intel® Trusted Platform Module
- C. The Intel® Chassis Management Module
- D. Software Raid 5 Management key

Answer: A

QUESTION NO: 87

How does Intel® Trusted Execution Technology promote increased server security? (Select THREE).

- A. Assists in detecting and/or preventing BIOS and firmware update attacks
- B. Assists in detecting and/or preventing non-trusted VMM (rootkit hypervisor)
- C. Assists in detecting and/or preventing reset attacks designed to compromise platform secrets in memory
- D. Supports the Intel® Instant Secure Erase feature
- E. Provides enhanced pipeline protection for threads awaiting execution
- F. Provides encryption support to instructions currently being executed

Answer: A,B,C

QUESTION NO: 88

A reseller needs to find the System Serial Number for a Midplane on an Intel® Modular Server for feature activation. Which of the following advice should the reseller be given?

- A. Click on the CMM module and click on the “Midplane tab” when the page has loaded.

- B. Click on the “Midplane item.”
- C. Log in to the Intel® Modular Server Control GUI and click on the “Chassis Back Tab.”
- D. Record the 12 digit “Midplane ID” number.

Answer: A

QUESTION NO: 89

Which of the following management module(s) are supported on the Intel® Server System SR1640TH?

- A. Intel® Remote Management Module 3
- B. Intel® Remote Management Module 2 Lite-V module
- C. Intel® Remote Management Module 2
- D. Intel® Remote Management Module 3 Lite-V module

Answer: D

QUESTION NO: 90

How many memory channels are supported on the Intel® Server system SR1640TH?

- A. One channel per processor
- B. Two channels per processor
- C. Three channels per processor
- D. Four channels per processor

Answer: B

QUESTION NO: 91

Which of the following Intel® RAID controller features supports the use of SSD based Cache, and what are the basic configuration guidelines?

- A. SSD Cache, when using one or more SSDs for caching.

- B. FastPath I/O, where more than one SSD will be used for caching purposes.
- C. FastPath I/O, when only one SSD is used for caching purposes.
- D. SSD Cache, when there is a 1:1 HDD SSD ratio.

Answer: A

QUESTION NO: 92

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. $\frac{1}{2}$ the total of all disk space
- C. The total of all disk space
- D. N -2

Answer: A

QUESTION NO: 93

Does the number of hard drives in a given array determine the RAID levels that can be supported?

- A. No
- B. Yes

Answer: B

QUESTION NO: 94

Which of the following RAID modes is not fault tolerant, meaning that if a drive fails the data is no longer complete or available?

- A. 0
- B. 5
- C. 6

D. 10

Answer: A

QUESTION NO: 95

From the following list, when might a customer find Intel® Active System Console helpful?

- A. To analyse the operating system event logs
- B. To ensure all drivers are up to date
- C. To identify the cause of a blinking status LED
- D. To update the BIOS, BMC, and FRU SDR for the server

Answer: C

QUESTION NO: 96

Which of the following Operating Systems are officially supported by Intel® Active System Console 4.x? (Select FIVE).

- A. Ubuntu 10.10
- B. Free BSD
- C. RHEL 4
- D. Windows 2008
- E. RHEL 5
- F. SuSE 11
- G. CentOS 5
- H. Windows 7

Answer: C,D,E,F,H

QUESTION NO: 97

Which of the following can trigger an Intel® Active System Console email alert from a server? (Select THREE).

- A. The server chassis intrusion switch is enabled.
- B. The HDD free space goes lower than 75%.
- C. The server cooling fan(s) stop.
- D. A duplicate IP address is registered on the network.
- E. The Operating System service fails to start IASC.

Answer: A,B,C

QUESTION NO: 98

The BMC System Event Log usually contains two types of information, Assertion and De-assertion. Assertion means an event is triggered and de-assertion means the status has recovered and the event has been withdrawn.

- A. True
- B. False

Answer: A

QUESTION NO: 99

Which of the following tools can be used to read the System Event Log, to be found in the Baseboard Management Controller of most Intel Servers? (Select THREE).

- A. IDA
- B. SYSCFG
- C. SELViewer
- D. FRU SDR
- E. SysInfo Tool
- F. Intel® Active System Console

Answer: C,E,F

QUESTION NO: 100

A standard System Event Log record contains:

Byte 1-2: Record ID

Byte 3: Record Type

Byte 4-7: Timestamp

Byte 8-9: Generator ID

Byte 10: Event Format Revision

Byte 11: Sensor Type

Byte 12: Sensor Number

Byte 13: Event Direction / Type

Byte 14: Event Data 1

Byte 15: Event Data 2

Byte 16: Event Data 3

A. True

B. False

Answer: A

QUESTION NO: 101

Intel® Deployment Assistant can increase productivity during server build and validation by decreasing the time and effort required. Intel® Deployment Assistant supports which of the following? (Select FOUR).

A. RAID logical volume configuration

B. Read and dump SEL

C. OS unattended installation includes install all drivers automatically

D. BMC/BIOS/Asset setup

E. Power Node Manager configuration

F. Read and dump raid Log

G. Firmware update

Answer: A,C,D,G

QUESTION NO: 102

Intel® Deployment Assistant 3.6 contains new features – including Multi-Server Cloning. This can be used by System Integrators to clone one configuration image to multiple other servers which have the same Hardware. Which of the following is NOT able to deliver an image to other servers?

- A. IDA can store bootable image to a USB key for manual load.
- B. IDA configuration can be pushed to a target server with Microsoft System Center Essential SCE2007.
- C. IDA image can be delivered by PXE server.
- D. IDA configuration image can be delivered by Windows 2008 deployment server (WDS).

Answer: B

QUESTION NO: 103

System Firmware Update Package for IDA, OFU, EFI, WinPE CANNOT be used for BIOS/BMC/FRUSDR update by:

- A. WinPE_x86.bat” or “WinPE_X64.bat” under Windows* Preboot Execution Environment (WinPE).
- B. startup.nsh” under the embedded EFI shell.
- C. flashuptd -u” by OFU for Windows or Linux.
- D. Intel® Deployment Assistant(IDA) using .zip file.
- E. Startup.bat from the dos command line.

Answer: E

QUESTION NO: 104

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

- A. Delete SDR records from server system
- B. Display SDR records
- C. Downgrade SDR version
- D. Update FRUSDR for server system

Answer: B

QUESTION NO: 105

How many HDDs can be plugged into the Intel® Server System SR2600UR?

- A. 6 x 2,5" HDDs – on the backplane
- B. 5 x 3,5" HDDs – on the backplane
- C. 6 x 3,5" HDDs – 5HDDs on the backplane +1 HDD on AXX2500SIXDRV kit
- D. 7 x 3,5" HDDs – 5 HDDs on the backplane + 2 internal HDDs via SATA cables

Answer: C

QUESTION NO: 106

An Intel® Workstation Board SC5650SCWS has been assembled and powered on; however, the status LED on the front panel blinks amber coloured which means a non-critical alert has occurred. Which of the following might be the BEST way to find the reason for this alert?

- A. Look up ERROR MANAGER in the BIOS.
- B. View the SEL log.
- C. View POST LED code and look for it in TPS.
- D. Listen to beep code and look for it in TPS.

Answer: B

QUESTION NO: 107

A system administrator has an Intel® Server System SC5650BC and wants to build a RAID 5 volume using the onboard ESRT RAID solution . The administrator:

- A. should install AXXRAKSAS2.
- B. should install AXXRAKSW5.
- C. should just create the RAID volume.
- D. cannot complete this build because there is no ESRT in S5500BC.

Answer: B

QUESTION NO: 108

Which of the following boards are supported in Intel® Server Chassis SR1695?

- A. Intel® Server Board S5500WB and Intel® Server Board S3420GPRX
- B. Intel® Server Board S5520UR and Intel® Server Board S3420GPLX
- C. Intel® Server Board S5520HC and Intel® Server Board S3420GPLC
- D. Intel® Server Board S5500HCV and Intel® Server Board S3420GPV

Answer: A

QUESTION NO: 109

After initial integration a system based on Intel® Xeon® X5650 does not respond after power-on. The system powers-on but there are no beep codes and the screen is blank. Which of the following steps should be FIRST in this case?

- A. Try the Intel® Xeon® 5500 family processor
- B. Try another Intel® Xeon® X5650 processor
- C. Do a clear CMOS operation
- D. Try another motherboard

Answer: A

QUESTION NO: 110

A system administrator wants to connect a server to the network infrastructure using the Intel® X520-DA2 card. Which of the following interfaces will be the FASTEST?

- A. Network via SFP to SFP+
- B. Network via SFP to Fibre channel
- C. Network via Direct Attach Copper
- D. Network via SFP to Ethernet

Answer: C

QUESTION NO: 111

After running the system firmware update package on the Intel® Server System SR1625UR a message “BMC is in FW transfer mode” appears. Which of the following options describes the reason for this message?

- A. The BIOS needs to be updated to the latest version to match the firmware.
- B. The BMC has not updated because the BMC force update jumper is selected.
- C. Update cannot be finished because of a bad firmware file.
- D. Update is completed, but the BMC force update jumper is enabled.

Answer: D

QUESTION NO: 112

Which of the following processor families are supported in the Intel® Server Board WX58BP motherboard? (Select THREE).

- A. Intel® Xeon® 3500
- B. Intel® Core™ i7
- C. Intel® Core™ 2 Duo
- D. Intel® Pentium® D
- E. Intel® Xeon® 3600

Answer: A,B,E

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