CompTIA

Exam ISS-003

Intel® Server Specialist Certification Exam

Version: 6.0

[Total Questions: 183]

Question No : 1

What is the maximum number of hard drives supportedwith the ESRT2 on the C600 family chipsets, provided the correct number of ports is available on the motherboard?

A. 4
B. 8
C. 32
D. 64

Answer: B

Question No : 2

A customer is not able to enter the RAID BIOS setup utility for an onboard controller. Which of the following troubleshooting steps should an Intel® Server Specialist take when trying to resolve the customer's issue?

A. Disable quiet boot.
B. Check whether the RAID 5 activation key is installed.
C. Make sure the customer is only using SATA drives.
D. Update the system BIOS to the latest version.
E. Check themass storage controller mode in BIOS setup.
F. Verify the HSBPA cable is connected.
G. Verify the SGPIO cable is connected.
H. Verify there are disks connected to the motherboard.
I. B, E, H
J. A, E, H
K. C, D, E
L. A, E, F

Answer: B

Question No : 3

Your customer is planning a new compact HPC data centre. Some of the critical features that need to be considered in such a data centre include rack space along with heat and energy dissipation. One of the design considerations relate to the choice of interconnects. Your customer has heard of a technology that Intel has been working on and wants more information on what it is called. How would you advise your customer?

A. Provide informationabout Intel® True-Path Technology
B. Intel® Server board S7600ANPX configured with 2 nodes booting from the Intel® Xeon® Phi™
C. Intel® Server system modularised with the S8600ANX and configured for 4 nodes
D. Provide information about Intel® Omni-Path Fabric
E. Provide information about Intel® Intelli-Path™ Fabric

Answer: D

Question No : 4

Your customer calls you to say that their dual socket server is reporting only half the memory that they originally purchased, and further that not only does the internal RAID card not show up, but they can't find any of the SAS drives that they purchased. How would you advise your customer?

A. Pay the customer a visit to carry out a physical check on the server.
B. Advise the customer to do an RMA on the RAID controller and half the memory, as this is clearly the problem
C. Advise the customer to swapout the RAID controller with a known good one, ensuring that appropriate ESD precautions are observed
D. Advise the customer to do an RMA on the entire server as it is clearly damaged.
E. Check to ensure both CPU sockets are populated.
F. Ensure that the customer swaps out all the memory, one by one, with known good ones, ensuring that appropriate ESD precautions are observed

Answer: E

Question No : 5

Your customer calls to complain that no virtual machines can be installed in the new server system so the business cannot consolidate their servers using virtualisation. How could you answer this question from the list below to be able to successfully install virtual machines?

A. He must enable Vt-x
B. He must enable Vt-m
C. He must enable Vt-d
D. He must enable Vt-c
E. He must enable Vt-p

Answer: A

CERTKILL

Question No : 6

Your customer calls you to say that since the BMC Watchdog timer was enabled, the system reboots continuously. What would your advice be from the list below? (Select ALL that apply).

A. Disable automatic reboot in Windows
B. Do a CMOS clear
C. Install the IPMI driver and create a script for the Watchdog refresh
D. Install the IPMI driver
E. Install Intel® Active System console

Answer: C,E

Question No : 7

A customer has installed the Intel® Server board S2600CW into a third party chassis. Since powering it on the cooling fans are running continuously at maximum RPM and the sensor readings are incorrect.Which of the following is the FIRST step in troubleshooting the problem?

A. Clear CMOS
B. Update the BIOS, BMC and FRUSDR
C. Update the SDR with "other chassis" option
D. Update the FRUSDR
E. Reset the BMC

Answer: C

Question No : 8

Your customer is close to approving a sale of 35 server systems which require maximum memory configurations. While looking at the Bill of Materials you are asked what (if any) are the benefits of using LR-DIMM over RDIMM. And if there are none to go with RDIMMS. How would you answer him?

A. LR-DIMM's speed is higher
B. LR-RDIMM's support ECC

C. More memory can be installed, since LR-DIMM supports rank multiplication

D. Mirroring/Sparing memory mode can be set up usingLR-DIMMs

E. LR-DIMM's have a dedicated memory controller, which offloads CPU cycles

Answer: C

Question No : 9

A customer has just completed the integration of a new server system based on an Intel® server board. When the customer attempts to power-up the system, it does not boot and instead gives several sequences of beeps. Which of the following documents will help an Intel® Server Specialist determine what the beep codes are and where they come from, in order to troubleshoot the issue for the customer?

A. The product brief for the relevant server board and chassis combination

B. The Configuration Guide for the relevant server board and chassis combination

C. QuickStart User guide

D. The Technical Product Specification document

Answer: D

Question No : 10

Which one of the following statements regarding theoretical PCIe bandwidth is INCORRECT?

A. PCIe gen2 x8 runs at 16GB/s bi-directional

B. PCIe gen1 x16 runs at 8GB/s bi-directional

C. PCIe gen3 x8 runs at 16GB/sbi-directional

D. PCIe gen2 x4 runs at 4GB/s bi-directional

Answer: A

Question No : 11

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 : 12

During a training event that you are giving as an Intel® Server Specialist on the use of RAID in protecting customer data from loss, you are asked to explain how a RAID array can be configured without using the operating system. How wouldyou answer this question from the list below? (Select ALL that apply).

A. You can use the System Configuration Utility in UEFI
B. You can use the RAID BIOS
C. You can use the RAID web console
D. You can use SysInfo in UEFI
E. You can use the CmdTool2

Answer: B,E

Question No : 13

Your customer wishes to install VMWare ESXi 5.5 in an R1208WTT system with current ME, BMC, BIOS andFRU/SDR firmware. The installation is not going well with a reboot happening as soon as the install reaches initialising ACPI. They tell you they have enabled

all the relevant settings in BIOS including VT-x extensions. How would you advise your customer?(Select ALL that apply).

A. Ensure Maximise Memory below 4GB is enabled
B. Ensure Intel® VT for directed I/O is enabled in BIOS setup
C. Install Remote Intel Management Module RIMM 4
D. Ensure Intel® Virtualisation Technology is enabled in BIOS setup
E. Ensure memory mapped I/O > 4GB is disabled in BIOS setup.
F. Ensure Intel (SMX) is disabled
G. Ensure Enhanced Error Containment mode is enabled

Answer: B,D,E

Question No : 14

Your customer wishes to consolidate a number of their current servers in their business, so virtualisation will be required. In addition they have asked for information on the cloud; soyou will need to specify a system (as their Intel® Server Specialist) which will accommodate this eventuality; and give advice on the type of cloud they should go for, as well as configure a server that can handle this level of abstraction. They currentlyhave 7 servers to be consolidated alongwith their switched infrastructure. Your first task will be to suggest the best server platform. Which of the following will you suggest, given the requirement for the highest number of add-in cards in the server?

A. Intel® Server Board HNS2600KP
B. Intel® Server System R2224WTTYS
C. Intel® Server Board S2600CWT
D. Intel® Server Board S1200V3RP
E. Intel® Server System R1208GZ4GSN

Answer: B

Question No : 15

As an Intel® Server Specialist, you are educating your customer on the differences between the Romley and the Grantley system generations; in particular on the differences in the RMM4 capabilities. What answer would you give from the below list?

A. Sensor reading display
B. Integrated web-GUI enabled by default
C. Grantley has dedicated management NIC onboard
D. The KVM capability

E. Enables PXE boot

Answer: C

Question No : 16

Your customer is in the market to upgrade their HPC infrastructure. Thereforeintegrated Infiniband is seen to be a base essential and must be down on the board. Please advise your customer as to which systems could answer their needs from the list below:

A. Intel ® Compute Module HNS2600KP
B. Intel ® Compute Module HNS2600TP
C. Intel ® Server System R1208WTTGS
D. Intel ® Compute Module HNS2600TPF
E. Intel ® Server System R2208WTTYC1

Answer: D

Question No : 17

Your customer is upgrading to a new RAID controller and does not want to lose any data on the existing RAID array. Using the following list, how would you adviseas the Intel® Server Specialist; and in which order should they be done?

1.Follow the new controller's user manual to detect the existing Raid array on the drives

and import it to the new controller.

2.Keep the new controller's cabling the same as on theold one.

3.Check if the new card and the old card support RAID migration with each other.

4.Remove old controller and insert new controller.

A. 4,3,2,1
B. 1,2,3,4
C. 3,4,2,1
D. 4,2,3,1

Answer: C

Question No : 18

Your customer callsyou to say that their server R1208RPMSHOR is having problems with the redundant power supply. The email alerts configured on first installation keep sending emails saying "Reports redundancy has been lost, but the unit is still functioning with the minimumamount of resources needed for normal operation – Asserted." The IT manager is complaining "my inbox is filling up, even though it is quite clear that the server still operates, and please can you get rid of these horrible alerts." What should the Intel®Server Specialist suggest for his customer? (Select ALL that apply).

A. Pay the customer a visit to carry out a physical check on the server.
B. Log into the embedded web server on the system to check if the second PSU was operating and when it stopped operating.
C. Advise the customer to do an RMA on both the PSUs.
D. Ask the customer to do a physical inspection of the back of the server for a 2nd power cable connected to a live supply.
E. Ask the customer what was happening with the server on the date that the redundant power was first lost.
F. Advise the customer to do an RMA on the entire server.

Answer: B,D,E

Question No : 19

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 will support NVMe U.2 SSD drives. Please advise your customer as to which of the following products can support these drives:

a)Intel ® Server System R2208WTTYC1

b)Intel ® Server System R2308WTTYS

c)Intel ® Server System R1208WT2GS

d)Intel ® Server System R1304WT2GS

e)Intel ® Server Chassis P4304XXMUXX

f)Intel ® Server Chassis H2216XXKR2

g)Intel ® Server Chassis H2312XXKR2

A. a,b,c,d
B. a,c,e

C. a,b,f,g

D. b,d,e,g

E. a,c,f

Answer: B

Question No : 20

Your customer callsyou to say that a just completed server installation has little activity and (to paraphrase what was actually said) only some "random beeps." You are trying to encourage your customers in general to become more resourceful and professional in their outlook. So rather than just give the answer, you want to get this customer to go and find the answer. In which document would you recommend looking for the beep post-code/LED post-code descriptions?

A. The Quick start guide

B. The TPS

C. The User Guide

D. The Product Service Guide

E. The FAQ

Answer: B

Question No : 21

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 : 22

Your customer calls you to say that their main server is having problems and no one can