**DV162\_39\_PAS\_On Motherboard Compatibility**

**Possible Answers Sheet**

Q1. What is the first decision you need to make while building a computer?

Ans: Whether it is intel based motherboard or AMD based motherboard.

Q2. What factors should you consider when choosing a motherboard and CPU?

Ans: Both motherboard and CPU need to support each other. Because some motherboards support AMD or Intel CPUs.

Q3. Is it possible to switch between an Intel CPU and an AMD CPU?

Ans: No, It is not possible.

Q4. What are the differences between AMD and Intel CPUs?

Ans: AMD CPUs are less expensive than Intel CPUs but Intel CPUs are a bit more expensive than AMD CPUs.

Q5. What should be checked when selecting a CPU?

Ans: We should check the specification of motherboard and CPU to see if we are getting exactly the required system or not.

Q6. How do you install a CPU?

Ans: There is a cover that holds CPUs, first we lift that cover and place the CPU into the socket and bring back the cover and lock it.

Q7. Is there a different installation process for server CPUs?

Ans: Yes, the installation process for the motherboard for the server is different. As server CPUs are more power full and installed in a rack-mounted device and need extra power too.

Q8. How many slots are available on a server motherboard?

Ans: There are six slots available for memory and some expansion slots.

Q9. What type of device are server motherboards typically found in?

Ans: Rack-Mount Device.

Q10. What is typically installed in a rack-mounted device?

Ans: Motherboard and Power Supply.

Q11. What features are present in the older server motherboard?

Ans: An older server motherboard that has two separate CPUs, has some expansion slots available, and four slots available for memory.

Q12. What features are present in the newer motherboard?

Ans: Newer Motherboards have approximately the same features as the old one but have 6 expansion slots instead of four.

Q13. What type of computer system do people generally have?

Ans:

Q14. How many memory slots are usually available for additional RAM?

Ans:

Q15. Are there usually expansion slots available?

Ans:

Q16. What type of motherboard might be used for a very small form factor desktop system?

Ans:

Q17. What features are important in a laptop motherboard?

Ans: Portability, Power Usage and Efficiency.

Q18. What is the focus of laptop CPUs?

Ans: Portability and Efficiency.

Q19. What can one do with a desktop system that cannot be done with a laptop?

Ans: In Desktop we can change the one ATX motherboard with Other ATX motherboard, that we cannot do with laptop motherboard. As laptop motherboards are very design oriented for specific models and design.

Q20. How does laptop motherboard replacement differ from desktop motherboard replacement?

Ans: Laptop motherboards replacement required the same exact model motherboard for that specific laptop to be replaced.

Q21. What do you have to do if you need to replace the motherboard in your Laptop?

Ans: We need to replace the entire motherboard.

Q22. Since your interfaces, your CPU, your memory, and other features are part of that system board, if any part of that happens to stop working, you’ve got to replace the entire motherboard. (True/False)

Ans. True in case of Laptop, and False in case of Desktop.