**DV162\_37\_PAS\_On Motherboard Form Factors**

**Possible Answers Sheet**

Q1. What is the fundamental physical component within all of our computers?

Ans: Motherboard.

Q2. What does the motherboard generally contain?

Ans: CPU and Spaces for memory.

Q3. What is one factor when choosing a motherboard?

Ans: On Base of Case we might own or how much future expansion we might need.

Q4. One thing that doesn’t seem to change much between motherboard versions, though, is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Ans. Power Connectors.

Q5. How many sizes and types of motherboards are there?

Ans: Over 40 different sizes and types of motherboard are there.

Q6. Are motherboards generally compatible between cases?

Ans: Yes motherboards are generally relatively compatible between cases.

Q7. Can you fit a very large size motherboard in a desktop computer?

Ans. The desktop computer has a lot of room for motherboards, and we can fit a very large size especially when you compare it to the smaller devices that can only fit the smallest of motherboards.

Q8. What size of motherboards can you fit in a small form factor device?

Ans: Mini ITX

Q9. What should you consider when selecting a motherboard?

Ans: Case we might own or Future Expansions we may need.

Q10. What type of motherboard is typically found in a desktop computer?

Ans: Standard ATX

Q11. What is the size difference between a standard ATX motherboard and a Mini-ITX motherboard?

Ans: Mini-ITX motherboards are relatively very small or half the size of Standard ATX motherboards.

Q12. An ATX motherboard is a standard for desktop computers that has been around since \_\_\_\_\_\_\_\_\_\_and is very popular today.

Ans. 1995.

Q13. What does ATX motherboard stand for?

Ans. Advanced Technology Extended motherboards.

Q14. How many pins does the ATX power connector have?

Ans: 20 or 24 pins.

Q15. Does an ATX motherboard have additional power for the CPU?

Ans: Yes there may be additional power for the CPU.

Q16. How many expansion slots are available?

Ans: There were four expansion slots for memory.

Q17. Does the motherboard have additional power for CPUs that require some additional voltage?

Ans: Yes, the motherboard has additional power right next to the CPU for CPUs that require some additional voltage.

Q18. What type of motherboard is suitable for small form factors?

Ans: An ITX motherboard is suitable for small form factors.

Q19. What is the purpose of using a small motherboard?

Ans: To make the system compact and portable, also to consume less power.

Q20. ITX is a style of motherboard that was created by \_\_\_\_\_\_\_\_\_\_\_\_\_\_ in \_\_\_\_\_\_\_\_\_\_.

Ans. VIA Technology, 2001.

Q21. What are the advantages of using an ITX motherboard?

Ans: Compact Size, Portability, Energy Efficient.