Quiz Questions – Embedded Linux

Lecture 5:

Question 1 – “What components are required for interfacing with custom IO devices?”

1. A root file system and a device driver
2. A kernel space application and a device driver
3. **A user space application and a device driver**
4. An inode and a device driver

Question 2 – “Which of the following are methods that the CPU can use to recognize that an IO has data ready to be read?”

1. **Interrupt**
2. Request
3. Observe
4. **Polling**

Question 3 – “Which of the following are transfer modes of ‘direct memory access’?”

1. Synchronous
2. **Burst**
3. **Transparent**
4. **Cycle stealing**

Question 4 – “Which of the following is not a Linux recognized device class?”

1. **Character devices**
2. **Block devices**
3. Input devices
4. **Network interfaces**

Question 5 – “What is a device file?”

1. An intermediator through which a kernel application can exchange data with a device driver
2. **An intermediator through which a user application can exchange data with a device driver**
3. An intermediator through which a user application can exchange data with the kernel
4. A file that hosts the information regarding a specific device