Assignment-4

Unit-4

Electronic Instrumentation

1. What is GPIB? Mention the features of IEEE 488 GPIB bus.

2. What are the connection methods used in GPIB? Draw the enat diagrams of connection methods.

3. How does GPIB work? Give one typical example of GPIB communication.

4. What are the pros and cons of GPIB bus?

5. What is PCI bus? What are the conventional PCI hardware specifications?

6. Draw the functional block diagrams of computer bus and PCI bus system.

7. Which are the versions of PCI bus currently available? Draw the connection of different hardwares and system bus with PCI bus.

8. What is USB? Mention the applications and key features of USB.

9. Explain the working and mode of transfer for USB.

10. What are the USB connectors and features of USB cables in different versions of USB?

11. Draw and explain the architecture of Virtual instrumentation system.