**ELT 1010 - Test 3 - Fabrication of Components**

**+ What is used to prevent oxidation in soldering?**

1. Lead-free solder
2. Joints
3. Flux
4. Soldering iron

**2. What is the main purpose of soldering in electronics?**

1. To create electrical connections
2. To join metals together
3. To solidify connections
4. To create joints on PCB

**3. Where is flux usually found?**

1. In rolls insulated by plastic
2. Inside of solder iron
3. Outside of solder
4. Inside of solder

**4. Which fluxes should you clean after soldering?**

1. Rosin and Water soluble
2. Water soluble
3. RMA flux and Water soluble
4. Rosin and RMA flux

**5. What is the most common problem with soldering?**

1. Cold solder joint
2. Dry joint
3. Corrosion
4. Oxidisation

**6. Transistors are small capacitors that store a charge**

1. True
2. False

**7. Modern communications are most commonly in what form?**

1. Analog
2. UTF-8
3. Binary
4. Optical digital

**8. Analog signals**

1. Are sent by voltage
2. Are sent by amperage
3. Are sent using resistance
4. Are sent after being interpreted

**9. Analog signals are converted to digital using**

1. Changes in voltage
2. Capacitors
3. Thresholds
4. Voltage measuring

**10. Digital signals loose data**

1. After shorter lengths compared to analog
2. After longer lengths compared to analog
3. At the same lengths as analog
4. Very rarely