

## UMEME ELECTRICAL SAFETY TRAINING

### TAKE AWAY QUIZ; THE DANGERS OF ELECTRIC CURRENT

1. What is the difference between electrification and electrocution?
2. What are the 3 main risks for a technician working on an electrical installation?
3. What is the critical phase of a cardiac cycle? What can be the consequences of electrification during this particular phase?
4. A technician who is electrified during work on an electrical installation risks cardiac fibrillation. Is this risk reversible, with or without after-effects, or can the person be considered electrocuted?
5. Between AC and DC which one is very dangerous?
6. Explain why it is not recommended to use very high sensitivity 10 mA differential circuit breakers to properly protect an electrical installation. Propose an effective differential protection solution for the protection of property and people. Justify.