SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
Accredited by NAAC-UGC with 'A++' Grade (Cycle III) &
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COIMBATORE-641 035, TAMIL NADU

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

UNIT -1

19EEE302 – ELECTRICAL SAFETY ENGINEERING

16 -MARK QUESTIONS

1. Give your views on any five case studies on electrical accidents in the form of case of a).electrical studies b).causes c).yours views on preventive actions.
2. Explain the interface between Industrial safety and Electrical safety.
3. State how and why high voltages are more dangerous than low voltages?
4. Explain how high voltage is more dangerous than high current.
5. Illustrate about the principles of unsafe act and unsafe conditions behind electrical accidents. Give an example.
6. Summaries about multi clause approach in electrical accident analysis. Explain with example.
7. Explain the statement "The cause behind an electrical accident is generally found is weakness is safety management systems".
8. Explain effects of electric current on heart and lungs.
9. How would you apply your understanding of electrical safety to identify and mitigate the common challenges in this field?
10. What is meant by Electric Shock? Appraise in brief about how a person gets affected during the Electric shock.
11. Explain the potential long-term complications that the patient might face due to the electric shock and the factors that might influence the recovery.
12. Discuss brief about the Do's and Don'ts regarding the first aid given to the person who met with the Electric shock.
13. Interpret about the shocks due to flash/ Spark over's, prevention of shocks, safety precautions against contact shocks.
14. Identify the relationship between electric current, voltage, and the severity of hazards they can cause. What are the factors influence of this relationship?