



EE3102 Safe working practices

Assignment

24,25

A

Student name

Assignment for safe working practices

Q1) Describe the difference between “direct contact” and “indirect contact”

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Q2) Explain ventricular fibrillation and it’s worst possible outcome.

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Q3) How would the duration of an electric shock effect the outcome?

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Q4) What happens finally to a person’s blood pressure in ventricular fibrillation?

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Q5) Explain why 300mS at 30 mA are significant electrical industry numbers

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Q6) Why is AC-3 an issue on the international shock chart?

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Q7) The 4 factors affecting the likelihood of ventricular fibrillation are

1)

2)

3)

4)

Q8) List 4 methods to reduce the risk of an electric shock

- 1)
- 2)
- 3)
- 4)

Q9) Short circuits create explosions and affect the body in what four ways

- 1)
- 2)
- 3)
- 4)

Q10) Above what voltage is a permit to work on required

Q11) What event triggered the new health and safety act

Q12) How close are you permitted to approach 220Kv

Q13) Who is **primarily** responsible for the **system** of safety at work?

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Q14) Can an employer insure against liability for a work place accident?

Q15) Who is responsible for providing safety gear?

Q16) List two objects of the new health and safety act

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Q17) Maximum **worker** penalties for allowing serious harm to occur are

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Q18) Maximum **company** penalties for allowing serious harm to occur are

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Q19) Maximum **CEO** penalties for allowing serious harm to occur are

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Q20) List three outcomes that constitute serious harm

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Q21) What does a worksafe Inspector need to enter a workplace without your permission?

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Q22) List two of **your** responsibilities under the Health and Safety at Work act as a worker?

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Q23) List 5 key functions of a Worksafe Inspector's job?

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Q24) Do you have to answer a Worksafe inspectors questions?

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Q25) Define 4 formal actions a Worksafe Inspector may take to enforce a safety change?

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Q26) Explain the term control measure

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Q27) Complete the control measure hierarchy

..... the hazard

..... the hazard

..... the hazard

Q28) When testing to check an electrical circuit is unlive and safe to work on, the “prove test prove” rule is employed. Define these 3 stages.

Prove

Test

Prove

Q29) Define the term “Tag and Lock” with reference to electrical isolation

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Q30) An electrical supervisor must have what 2 documents to be able to supervise?

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Q31) What is the difference between personal protective equipment and associated equipment?

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Q32) List 4 things that an employer is responsible for under Electrical Regulation 101

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Q33) Define what is prescribed electrical work in a sentence?

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Q34) How often do electricians need to attend safety competency courses?

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Q35) Explain what regulation 112 is about, listing 3 facts about this regulation.

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Q36) Fall prevention is required above what height?

Q37) When do you need to use a certified scaffolder?

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Q38) List 3 safety rules for machine lift work platforms

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Q39) List 7 ladder safety rules

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Q40) Describe the difference between a scissors lift and a cherry picker?

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Q41) Describe what can go wrong if you are left hanging in a harness for an hour, prior to being rescued?

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Q42) What is the health danger of asbestos ?

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Q43) What part of your body is most vulnerable to laser damage?

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Q44) What 3 things are need to support fire?

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Q45) What type of extinguisher can be safely used on an energized electrical fire?

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Q46) What are the **three most important** things to do **before** attempting to extinguish a fire with a portable fire extinguisher? (standard action plan)

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Q47) What 4 steps are performed when operating a portable fire extinguisher using the PASS acronym?

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A.....

S.....

S.....

Q46) What is the difference between the two terms, touch and step voltage?

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Q47) How much current is required, to render an AC4 shock, according to the international shock chart?

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Q48) List 5 areas that contribute to the **cost of harm** due to work related harmful incidents

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Q49) What notice can a worksafe inspector issue to stop people disturbing a work place accident site?

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Q50) List 4 events that require notification to Worksafe

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Q51) Drugs and alcohol increase the chances of a work related injury by what rate?

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Q52) Define the term **Hazard** when applied to a workplace

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Q53) List the 3 steps involved in a risk assessment.

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Q54) What needs to be considered, when choosing the type of breathing protection system used for PPE?

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Q55) List 3 ways that safety boots can protect feet against harm in the work place. of extinguisher can be safely used on an energized electrical fire?

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Q56) What type of clothing is needed to be worn while working on livened circuits where high fault currents may be present?

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Q57) What type of PPE gear has an expiry date that needs checking?

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Q58) What type of PPE gear protects against major harm from small parts?

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Q59) List 3 facts regarding a trainee limited certificate issued by the EWRB.

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Q60) Electrical trainees are governed by EWRB supervision guidelines.
List 9 requirements that the employer must meet in these regards

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Q61) When can a ladder be used rather than a safer method of working at height?

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Q62) List 3 rules that you must follow when working in an elevated work platform above 3 metres

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Q63) Electrostatic discharge can cause what hazard?

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Q64) Explain why radar systems can be a serious risk of harm

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Q65) What is a hazard identification notice with reference to chemicals and list 2 requirements of information that they contain.

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Q66) Why do you need a permit to enter a confined space

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Q67) Give 2 reasons why dust in the air can be an issue to health in the workplace

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Q68) Why are PCBs an issue

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Q69) What happens when PVC cables are run through polystyrene and how can that issue be resolved

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Q70) Describe differences between three automatic fire protection systems

Sprinklers

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Fine water mist

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Inert gas

Q71) List 3 fire detection systems

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Q72) Define a fire cell

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Q74) Is your name on the front page of this assignment