

Q1. 75% of 140 ?

- a. 110
- b. 115
- c. **105**
- d. 125

Q2. Softwood Timber is ?

- a. Teak
- b. **Balsa**
- c. Mahogany
- d. Pine

Q3. Output from a single phase alternator is via..?

- a. **Slip Rings**
- b. Commutator
- c. Rotor
- d. Field windings

Q4. Temperature increase on copper has the effect of...?

- a. expands length ways
- b. expands in thickness
- c. **expands in all directions**
- d. decreases in all directions

Q5. A poor conductor is...?

- a. copper
- b. salt water
- c. **glass**
- d. gold

Q6. If power in is 100watts and power out is 75watts, What is the efficiency ?

- a. 25%
- b. **75%**
- c. 33%
- d. 100%

Q7. One application of the chemical effect is ?

- a. magnets
- b. **battery**
- c. lighting
- d. Carbon

Q8. one transmission voltage ?

- a. 100kV
- b. 200kV
- c. **400kV**
- d. 500kV

Q9. Which materials resistance decreases when temperature increases ?

- a. copper
- b. **carbon**
- c. aluminium
- d. tungsten

Q10. why do we use the colour yellow for extension leads on-site?

- a. Good visibility
- b. **denotes voltage**
- c. it's a pretty colour
- d. denotes length

Q11. In order to prove a circuit is safely isolated we.....?

- a. ask someone if its ok to start work
- b. **use approved voltmeter to check supply**
- c. check current flow by switching on
- d. look for the red or green light

Q12.The flow of electrons is basically.....?

- a. voltage
- b. **current**
- c. resistance
- d. water flow

Q13. The insulation “Magnesium Oxide” does not work well ?

- a. in high ambient temperatures
- b. at high operating temperatures
- c. **when ingress of moisture has occurred**
- d. in damp conditions

Q14. Manual handling of heavy or bulky objects would be most suited to working from ?

- a. Step ladders
- b. ladders
- c. **tower scaffold**
- d. stilts