

(Part A)

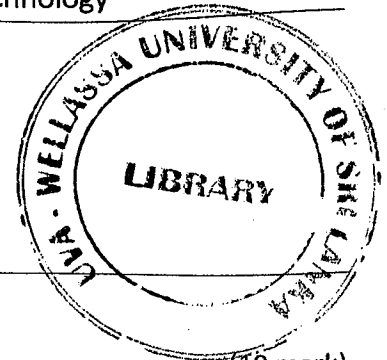
Instructions to candidates

Duration: One(01) hour

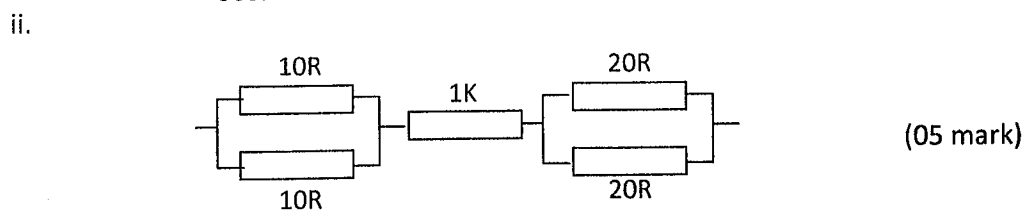
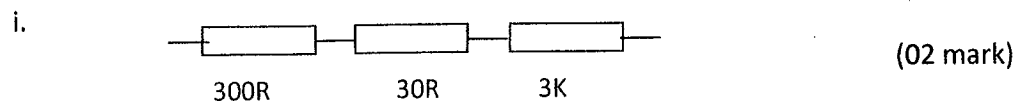
Number of questions: Three(03) Essay Questions

Mark allocation: 100 mark

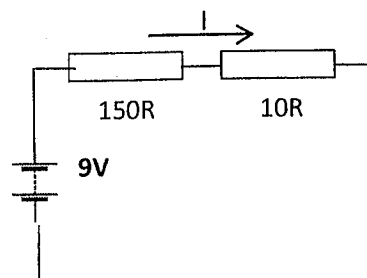
Answer all questions



1.
  - a. What is energy? Write five different energy sources. (10 mark)
  - b. What is renewable energy? Give at least two examples for renewable energy sources. (15 mark)
  - c. How we can generate electricity? (10 mark)
  - d. What are the energy sources used to generate the electricity in Sri Lanka? (05 mark)
  
2.
  - a. State Ohm's Law. (05 mark)
  - b. Find equivalent resistor for given circuits.



- c. Find the current (I) value through resistors. (08 mark)



3.

- a. What is "Cleaner Production"? (05 mark)
- b. Give suggestions to adopt "cleaner production" for Products, Processes and Services. (15 mark)
- c. What are the key phases in Cleaner Production? (10 mark)
- d. List five Benefits of Applying Cleaner Production. (10 mark)