

1) Describe the main sources of electricity in Kenya.

(3mks)

b) What are the advantages of an a.c power generation compared to d.c generation.

(2mks)

c) Explain how electricity power is transmitted efficiently from the generation station to the consumer.

(2mks)

2) A house has five rooms, each containing one 60W light bulb. If all the bulbs are left for two hours, how much many kilowatt-hours of electrical energy are consumed?

(2mks)

b) How much current will pass through 60W bulb operating from a wall outlet of 240V.

(2mks)

Q3. Draw an X-ray tube and label its major components and briefly explain how it operates. (8 marks)

(b) List the properties of X-rays. (3 marks)

(c) Outline three uses of X-rays. (3 marks)

(d) Discuss hazards created by X-rays and describe the precautions to be taken when using X-rays. (4 marks)