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برعاية معالي وزير التربية والتعليم

السيد الأستاذ / محمد عبد اللطيف

وتوجيهات مساعد الوزير لشئون تطوير المناهج التعليمية
والمشرف على الإدارة المركزية لتطوير المناهج
د/ أكرم حسن

WEEK

(9)



الصف الثالث الإعدادي
weekly Performances

الفصل
الدراسي الثاني

لجنة الإعداد والمراجعة

أ/ دعاء محمد عبدالعظيم

أ/ عادل محمد عبدالله الحفناوي

إشراف علمي

مستشار العلوم

د / عزيزة رجب خليفة

Lesson 1: Physical Properties of Electric Current**Lesson 2: Electric current and its sources****Question one****Question one****Give reasons for:**

- 1- It is preferable to use alternating current over direct current
- 2- Some electrical circuits contain a sliding rheostat

Question two:**Complete the following:-**

- 1- The ampere is a unit of measurement of and is to
- 2- The volt is a unit of measurement of and is to

Question three:**Compare between the following :**

- 1- Ohmmeter and sliding rheostat
- 2- Electrochemical cells and generators
- 3- Direct current and alternating current

Question four:**Problems:**

- 1- Calculate the electric current intensity flowing through a wire of an electric circuit in the electric iron when the potential difference is 220 volts with a resistance 20-ohm.
- 2- If the work done required to transfer 40 coulombs is equal 20 joules through a wire with a resistance equal 10-ohm, calculate the electric current flowing through the wire?
- 3- A conductor with a resistance of 22 ohms, and the amount of electricity flowing through it per second is 10 coulombs. Calculate the potential difference between its end.
- 4- You have three identical electric cells, each has electromotive force of 1.5 volts. Explain with a drawing how they can be connected to obtain an electromotive force

(1.5 volts - 3 volts - 4.5 volts)