

Reading Comprehension Passage 23

This sample text has been prepared for the Master of Electrical Engineering entrance exam by Alpha Consulting Group.

In the 1700 s, Benjamin Franklin, Alessandro Volta, Luigi Galvani, and other early thinkers sought to understand the nature of an unseen, unnamed energy. Their test materials consisted of such things as kites, forges' legs, zinc, and salt water. But their findings allowed pioneers in the 1800 s. Ampere, Faraday, Ohm, and Oersted -- to discover the electrical properties known as charge, resistance, potential, and current, and the dynamics among them. Within the next hundred years, Charles Wheatstone and Samuel F.B. Morse had developed electrical communication, resulting in networks of telegraph lines over land and under the sea. The telephone was beginning to transform the concept of communication within cities, while Edison's incandescent light shone in factories, stores, schools, and homes. In 1904 John Ambrose Fleming's diode tube harnessed the electron in a revolutionary way. Electronics was born.

Questions

1-What did Franklin, Volta, and Galvani do?

- 1) Theorize on a new kind of energy.
- 2) Spend their energies to understand nature.
- 3) Understand now that nature consumes energy.
- 4) Visualize and name different energies.

2- What were kites, frog's legs, zinc, and salt water used for?

- 1) Understanding nature.
- 2) Testing students in university.
- 3) Experimentation on electric phenomena.
- 4) Visualization and naming of different energies.

3- Why didn't Franklin, Volta, and Galvani conduct test in an electricity lab? Because

- 1) electricity was unknown at their time**
- 2) electricity could not be seen by them**
- 3) they were poor and could not use a lab**
- 4) there was no name for electric energy**

4-Ampere, Faraday, Ohm, and Oersted Franklin, Volta, and Galvani.

- 1) made their discoveries on electrical properties before.**
- 2) were not allowed to discover electrical properties by.**
- 3) could make their discoveries because of the efforts of.**
- 4) made possible through their findings the discovery of electrical properties by**

5- Charge, resistance, potential, and current are electric

- 1) properties discovered by Ampere, Faraday, Ohm, and Oersted.
- 2) properties seen and named by Franklin, Volta, and Galvani.
- 3) characteristics discovered by Franklin, Volta, and Galvani.
- 4) characteristics common concurrently studied by Ampere, Faraday, Ohm, Oersted, and Franklin, Volta, Galvani.

Answers

1==> 1

2==> 3

3==> 1

4==> 4

5==> 1