MID-TERM ASSIGNMENT

Physics for SSS1

1. At 30°C the volume of an aluminium sphere is 30cm^, the coefficient of linear expansion is 24 x 10^-6°C. If the final volume is 30.5cm^3, what is the final temperature of the aluminium sphere.

2. Explain the process of heat transfer in Land and breezes

3. Explain the principle of human body as a conductor

4. What is the principle behind lightning and why is lightning conductors installed?

5. Explain what is meant by a field as used in physics

6. What do you understand by Poles in magnet?

7. Three resistors of resistance 1ohms, 2 ohms and 4ohms are connected in series. Find the equivalent resistance of the combination.

8. Why the sensation of cold when ice is place in mouth?