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Student Name: Student's ID Number: Group:

1. Read the following sentences and decide whether they are True or false (13 Marks)

1. Ground faults and overloads are electrical problems. ()
2. Highway engineering involves road building. ()
3. It is the marketing team's responsibility to sell the car after the new model has been launched. ()
4. The circuit breaker is a piece of equipment that allows the current if it becomes dangerous. ()
5. The alternator makes the vehicle goes faster. ()
6. Methanol is a flammable gas derived from petroleum hydrocarbon cracking. ()
7. During building a house, the masons install pipes for heating and water. ()
8. Acids are one of the basic chemicals. ()
9. Ethylene is a sweet-smelling liquid used in making plastics. ()
10. In construction, the exterior walls are always supporting the structure. ()
11. The lighting and acoustical systems are major elements of buildings. ()
12. The laser is a pulse of light that is used to convey information. ()
13. The term watertight refers to a type of material that allows water to pass through it. ()

2. Electrical engineering is divided into four main branches. What are they? (4 Marks)

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3. Write the Engineering terms for each definition. (13 Marks)

1. A working example of a new design.....
2. Farmers use these to make plants grow.....
3. A compound of Oxygen and another element.....
4. To give a metal a protective coat by using it as an anode in electrolysis.
5. A part of a vehicle that cools water from the engine.....
6. Chemicals that contain the benzene ring.....
7. A circuit where the electrical current has a choice of paths.....
8. A board consisting of a number of electrical switches.....
9. To polish or sharpen by rubbing on a rough surface.
10. This type of fibers is made of chemicals.
11. Compounds that react with acids to give off carbon dioxide.
12. It is the part of the building which transfers all the loads to the ground.
13. It deals with the practical application of the electricity theory.

Best of Luck