**MODULE 3 – Introduction to Business Of EV**

**3.5 Summary**

Practice Problems

### Question 1 Identify the disruption the description is referring to

a. It leads to more sharing, which avoids cars unused, with little passenger or trucks driving empty. All together this will lead at the end to zero marginal cost.

1. Connectivity
2. Automation
3. Electrification

Ans. A

b. This technology makes it possible to drive zero emission and, in the future, even zero energy.

1. Electrification
2. Automation
3. Connectivity

Ans. A

### Question 2 Please read the statements and answer the question below.

A) All the public chargers are fed with 100% renewable energy. Netherlands already has about 60,000 public outlets and about 750 fast charging stations and that’s a very good situation for EV’s. Netherlands has open charge protocol, therefore it's possible to overview all the chargers and to see whether they're available, they're free or broken or occupied and, the final aspect is the interoperability. The interoperability makes it possible to pay with one paying card at all the chargers in the Netherlands. Therefore, yes, use of electric vehicles will steadily grow in the Netherlands.

B) The public chargers are fed with renewable and non-renewable energy. The count of the charging outlets is not great but it's slowly improving. Netherlands has closed charge protocol therefore it is not possible to overview all the chargers and to see whether they're available, they're free or broken or occupied and, the final aspect is the non-interoperability. It makes it impossible to pay with one paying card at all the chargers in the Netherlands. Therefore, no, use of electric vehicles will not steadily grow in the Netherlands.

Is it possible that the use of electric vehicles will steadily grow in the Netherlands? Please indicate the correct option.

1. Answer A) is correct.
2. Answer B) is correct.
3. None of the answers is correct.

Ans. A

### Question 3 Here you will find a statement and reasoning. State true, if the reasons support the statement, and false, if the reasons don’t support the statement.

Statement: Automation of mobility should be given high importance in the future.

Reasoning: The social costs of traffic accidents are high. It’s estimated in the Netherlands at 14 billion per year. The other relevant social costs like congestions are estimated at 3 billion and environmental damages are estimated at 5 billion. Such high costs can be drastically brought down when mobility is automated.

1. True
2. False

Ans. A