INTERNATIONAL CERTIFICATE IN FLEET MANAGEMENT

TRANSPORT OPERATIONS: TYRE & BATTERY MANAGEMENT CARE

FLEET-M1

November 2024

Instructions to Candidates

- Duration of examination: **2.30 hours**
- **Answer any FIVE questions.**
- Questions may be answered in any order.
- Allocation of marks is indicated along each question.
- Credit will be given for citing relevant examples.
- Write legibly.

QUESTION 1

a) Explain the importance of proper battery maintenance in prolonging battery life. **(10 marks)**

b) Discuss the significance of regular cleaning and inspection of battery terminals. **(5 marks)**

c) Explain how to check and maintain appropriate electrolyte levels in a lead-acid battery. **(5 marks)**

QUESTION 2

Discuss the key factors that influence tyre performance and longevity in automotive vehicles. In your response, include the following points**.** **(20 marks)**

QUESTION 3

Explain the common causes of battery failure and how they can be prevented. **(10 marks)**

QUESTION 4

Describe the process of battery charging and the different types of chargers available.

(20 marks)

QUESTION 5

Explain the impact of parasitic loads and how to minimize their effects. **(20 marks)**

QUESTION 6

Explain the common causes of battery failure and how they can be prevented. **(20 marks)**