

written examination

Unit 4: Weights and Measures

Section A

Candidates should attempt to answer three questions.

Each question carries ten marks.

Total: 30 marks.

1. **Answer both parts:**

(a) What is the OIML?

(5 marks)

(b) Giving an example, explain the significance of a normative document.

(5 marks)

(total: 10 marks)

2. Distinguish between an automatic catch-weigher and an automatic checkweigher.

(10 marks)

3. What is a local standard?

Explain your answer with reference to the Weights and Measures Act 1985.

(10 marks)

4. **Answer both parts:**

(a) Using a practical example of a liquid fuel instrument manufacturer, briefly explain the requirements with which a manufacturer must comply, and the procedure that must be followed, to become an approved verifier under Section 11A of the Weights and Measures Act 1985.

(5 marks)

(b) Contrast the responsibilities of a manufacturer, installer, repairer and adjuster under these requirements.

(5 marks)

6. **Answer both parts:**

(a) What is a defective package and what are the acceptance and rejection criteria for the purposes of The Packaged Goods Regulations 2006.

(5marks)

(b) What actions can you take if a batch of packages has a greater number of defective packages than is allowed?

(5marks)

(total:10 marks)

Section A total of 30 marks.

End of Section A.

Section B
Candidates should attempt to answer two questions.
Each question carries 35 marks.
Total: 70 marks.

7. **Answer all parts:**

9. **Answer all parts:**

You are employed by a local weights and measures authority that also acts as a module F conformity assessment body. You have been asked by a local authority in another part of the country to initially conformity assess a self-service 'bag drop' kiosk point of sale system at an airport. The manufacturer intends to submit an instrument which is composed of a weighing module purchased by them previously. This is a non-automatic weighing instrument, which has an EU27 type-examination certificate issued by the NMI (the Dutch Notified Body). It bears conformity assessment marks that show that it meets the requirements of The Non-automatic Weighing Instrument Regulations (SI 2016-1152) (as amended), and bears a CE bea CE97pđ 2016

10. **Answer all parts:**

You are out doing inspections at a local scrapyard. You notice a liquid fuel measuring instrument on the site and a customer is filling a jerry can, which is then paid for.