

CTSI Professional Competency Framework (CPCF) written examination

Unit 4: Weights and Measures

September 2020

Guidance for this examination

Please ensure that you indicate, by ticking (✓) the relevant box on the front of your examination booklet, the law viewpoint from which you will be answering: English, Scottish or Welsh.

The examiners may expect candidates to show knowledge of legislation which is in place but not in force (i.e. has been enacted) and regulations which have been made but are not yet in force, if they are directly relevant to the subject-matter of the examination.

Examination structure

There are two sections to the examination paper:

Section A Consists of six questions.
Candidates should attempt to answer three questions.
Total allocation of marks is 30 marks.
Suggested time allocation is 30 minutes.

Section B Consists of four questions.
Candidates should attempt to answer two questions.
Total allocation of marks is 70 marks.
Suggested time allocation is 90 minutes.

Total time allowed – two hours (plus ten minutes' reading time).

Note:

The Weights and Measures paper is a **closed book**; no materials are permitted to be taken into the examination room.

*The examination paper has **three** pages, including this front sheet.*

Exam: Weights and Measures

Exam cycle: September 2020

Date: Tuesday 15 September

Max.: 100 marks

Time: 1.30pm – 3.00pm

Section A

Candidates should attempt to answer three questions.

Each question carries ten marks.

Total: 30 marks.

1. Using examples, distinguish between the terms “pre-package” in Directive 76/211/EEC and “pre-packed” in the Weights and Measures Act. (10 marks)

2. Explain whether you can sell fruit by the bowl. Reference your answer in terms of ‘Weights and Measures’ and ‘Prices’ Legislation. (10 marks)

3. Explain what is an approved verifier and an authorised representative. (10 marks)

4. What is a Declaration of Conformity and what should it contain? Contrast this with a Certificate of Conformity. (10 marks)

5. What does the inscription “BLV” mean, where would you expect to find it and what other information would you expect to be with it? (10 marks)

6. Distinguish between a zero setting device and a zero-tracking device on a non-automatic weighing instrument. (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. Explain the difference between a test certificate, an evaluation certificate and a parts certificate.
(35 marks)
8. Explain the requirements relating to the marking of pre-packages under The Packaged Goods Regulations 2006. How would they differ with regard to their application to a 300g pre-package of 'e'-marked baked beans, a 300g pre-package of nails and an 'e'-marked 300g pre-package of sweetcorn in water?
(35 marks)
9. What are the requirements of Clause 8.3 ('Verification of Conformity to Type') of EN45501? Discuss whether an inspector must follow these requirements when re-qualifying a non-automatic weighing instrument.
(35 marks)
10. You are working as the Primary Authority Officer for a large manufacturer of liquid fuel measuring instruments. The petrol pump retailer to which they supply would like to introduce a technical solution for the retail sale of liquid fuel, by which a customer can undertake the transaction for the purchase of fuel from their mobile telephone without going into the forecourt kiosk. The procedure involves the customer confirming, via the petrol retailer's application on their telephone, which forecourt station they are at and the pump from which they are purchasing the fuel. The transaction is completed via the application on the telephone. The invoice will be sent to the telephone and will include the volume supplied and the price charged. It is intended that this process would be used on new and existing installations and it is not approved at the moment. As the Primary Authority Officer, what are the legal requirements, relating to this proposal, that you must address in respect of Weights and Measures Legislation?
(35 marks)

Section B total of 70 marks.

END OF EXAMINATION PAPER.