



0173-507 MARCH 2019

Level 3 Technicals in Land and Wildlife Management

Level 3 Land and Wildlife Management – Theory Exam (2)

If provided, stick your candidate barcode label here.

**Thursday 14 March 2019
13:30 – 14:50**

Candidate name (first, last)

First

Last

Candidate enrolment number


Date of birth (DDMMYYYY)

Gender (M/F)

Assessment date (DDMMYYYY)

Centre number

Candidate signature and declaration*

- If additional answer sheets are used, enter the additional number of pages in this box. 
- Before taking the examination, **all candidates** must check that their barcode label is in the appropriate box. Incorrectly placed barcodes may cause delays in the marking process.
- Please ensure that you staple additional answer sheets to the **back** of this answer booklet, clearly labelling these with your full name, enrolment number, centre number and qualification number in BLOCK CAPITALS.
- All candidates need to use a **black/blue** pen. **Do not** use a pencil or gel pen, unless otherwise instructed.
- If provided with source documents, these documents **will not** be returned to City & Guilds, and will be shredded. Do not write on the source documents.

***I declare that I had no prior knowledge of the questions in this examination and that I will not divulge to any person any information about the questions.**

You should have the following for this examination

- a pen with blue or black ink

General instructions

- Use black or blue ball-point pen.
- The marks for questions are shown in brackets.
- This examination contains 10 questions. Answer **all** questions.
- Answer the questions in the spaces provided. Answers written in margins or on blank pages will **not** be marked.
- Cross through any work you do not want to be marked.



- 1 List **two** physical and **two** chemical parameters that can be measured to analyse the condition of a water body. (4 marks)

- 2 a) Define the Water Framework Directive. (1 mark)

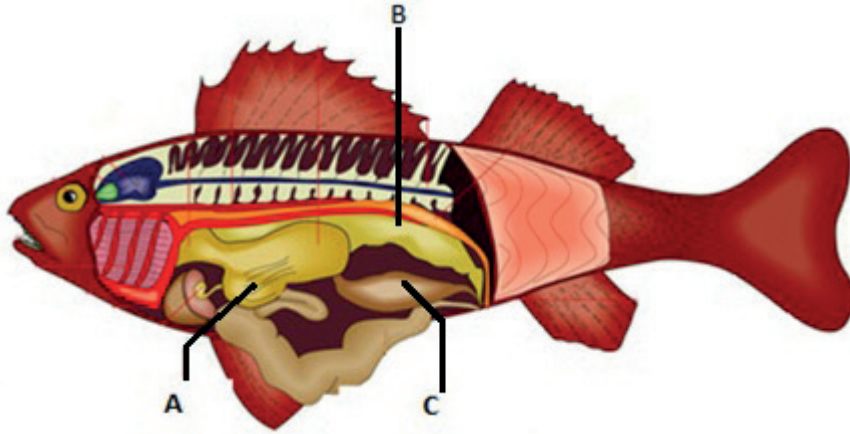
- b) Give **two** applications of the Water Framework Directive. (2 marks)

- 3 Define the River Invertebrate Prediction and Classification System (RIVPACS). (1 mark)

4 Explain how agriculture can affect water quality. (4 marks)

5 Explain **three** ways how a deterioration in water quality can impact upon the flora and fauna found within an aquatic habitat. (6 marks)

6 Identify the internal features labelled A, B and C of the fish in Figure 1. (3 marks)



Source: www.infovisual.info

Figure 1

- A _____
- B _____
- C _____

7 List **three** effects on physiological systems of a fish during peak angling season. (3 marks)

8 Give **three** reasons why fish swim erratically. (3 marks)

9 State **four** symptoms of deficiencies and excesses of lipids in fish.

(4 marks)
