

**B6.**

A UK company runs an e-commerce website that sells to customers across Europe.

- a) The website uses cookies for features such as login status, data analytics about page visits and for third party advertising on the website.

Discuss how UK Data Protection legislation applies to cookies used in this website.  
**(10 marks)**

- b) Discuss why UK Data Protection legislation means that technical and organisational measures are needed for the security of this website.

**(10 marks)**

- c) What is meant by a data controller for this website?

**(5 marks)**

**End of Examination**

**BCS THE CHARTERED INSTITUTE FOR IT**

**BCS HIGHER EDUCATION QUALIFICATIONS  
BCS Level 5 Diploma in IT**

**PROFESSIONAL ISSUES IN INFORMATION SYSTEMS PRACTICE**

Monday 3<sup>rd</sup> October 2022 - Afternoon

Answer **any** FOUR questions out of SIX. All questions carry equal marks.

Time: TWO hours

**Answer any Section A questions you attempt in Answer Book A**

**Answer any Section B questions you attempt in Answer Book B**

The marks given in brackets are **indicative** of the weight given to each part of the question.

Calculators are **NOT** allowed in this examination.

**Section A**  
**Answer Section A questions in Answer Book A**

**A1.**

- a) Explain and discuss the purpose of the BCS Code of Conduct. Use **TWO** sections of the code as examples to support your discussion.

**(10 marks)**

- b) Why is Continuing Professional Development (CPD) important for Information Systems? In your answer, discuss **THREE** relevant examples of how BCS provides its members with CPD opportunities.

**(15 marks)**

**A2.**

- a) Identify and discuss **TWO** advantages of a limited company. Use relevant examples to support your answer.

**(10 marks)**

- b) Identify and describe the **THREE** principles that are fundamental to the concept of a limited liability company.

**(15 marks)**

**A3.**

- a) A wide range of selection techniques is available and used when making professional appointments. One of these techniques is psychometric tests.

Identify and describe the **THREE** types of psychometric tests and how they would be relevant for an organisation when recruiting a person to work in the IT support department.

**(15 marks)**

- b) Explain the meaning of 'constructive dismissal' in an organisation and give **THREE** examples of circumstances that might lead to employees resigning in circumstances that might lead to constructive dismissal.

**(10 marks)**

**Section B**  
**Answer Section B questions in Answer Book B**

**B4.**

- a) From an accounting perspective, explain the meaning of these terms for a software company:

i) Goodwill

ii) Budget

iii) Overheads

iv) Owner's equity.

**(12 marks)**

- b) A software development company will start operation next January.

They will sell 20 annual licenses each month from March to June. The licenses in March and April will be sold at £500 each, the price will be increased to £600 in May.

Prepare a cash flow statement from January to June with following monthly data:

- Rent to be paid: £400.
- Utilities: £200.
- Payroll: £500.
- Marketing: £300, with a 20% increase each month.
- Other expenses: £500.

**(13 marks)**

**B5.**

- a) Compare and contrast the protection offered by copyright and trademarks for a software development company.

**(15 marks)**

- b) A company develops a novel device to feed birds in the garden. It uses a camera and software to detect when birds are feeding at the device. The device can recognise the types of bird and send images and video to mobile phone devices.

Discuss what protection a patent could provide for this company.

**(10 marks)**

[Turn Over]