

Section B
Answer Section B questions in Answer Book B

B4.

- a) Discuss the different considerations for operating as a limited company, a partnership, and a sole trader in terms of ownership and liability. **(15 marks)**

- b) An IT company has offices in several UK cities, providing IT services and support. The company employs several hundred people.

Discuss the similarities and differences between the roles of director, manager and supervisor for this company. **(10 marks)**

B5.

- a) A company develops an intelligent grey squirrel trap that will notify forest rangers when a grey squirrel has been caught in the trap so that it can be relocated elsewhere.

The software incorporated into the trap also measures the weight of the animal in the trap so that only grey squirrels will be caught in the trap.

Discuss how patents and copyright could protect this device. **(15 marks)**

- b) The company developing the intelligent grey squirrel trap in part a) wishes to create a trademark for the trap. The company has designed the artwork that it wants to trademark.

Discuss how the company would register such a trademark. **(10 marks)**

B6.

- a) A UK government department has received a Freedom of Information (FOI) request about the software that it uses. The department's work provides support to health services and police services.

Discuss what the government department needs to do to comply with the request. **(12 marks)**

- b) Discuss what is meant by a publication scheme under UK Freedom of Information (FOI) legislation. As part of your answer, consider how this would be relevant when processing a FOI request. **(13 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

Wednesday 2nd October 2024 – 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 the purpose of the BCS Code of Conduct and the key elements of the sections of the code about 'Duty to the Relevant Authority' and 'Duty to the Profession'.
(15 marks)

- b) A BCS member wants to apply to become a Chartered IT Professional (CITP).
Explain what CITP is, and which membership grades it is available to. Also, comment on how SFIPlus can help a member to decide if they are ready to apply for CITP.
(10 marks)

A2. This question is about the Equality Act as it applies to employment practices.

- a) What is the purpose of Equality Act 2010, and why should employers follow it?
(5 marks)

- b) A company advertises a junior software development position. In the job advert it states that it is only for applicants who have graduated from university in the past two years.

A 50 year old person is looking for a junior software development job, but the person has not graduated from university in the past year.

Explain what Direct discrimination and Indirect discrimination are and discuss if the situation described above is an example of discrimination.

(10 marks)

- c) The Equality Act 2010 uses the term reasonable adjustments in relation to employment. Explain what is meant by this term and give at least **two** examples of reasonable adjustments.
(10 marks)

A3.

- a) A company purchased computer equipment for £240,000, which has a useful life of 6 years. At the end of the 6th year, the equipment was sold for £50,000.

Show the annual depreciation and value of this equipment using the straight-line method. Also, state how the final resale value will be treated in the financial statements.

(10 marks)

- b) Explain what tangible and intangible assets are and which financial documents they are used in. In your answer, state **two** examples of **each**.
(10 marks)

- c) Explain the concept of the time value of money and its relevance to financial decision-making. In your answer, provide an example of how the time value of money is used in financial calculations.

(5 marks)

[Turn Over]