

**BCS THE CHARTERED INSTITUTE FOR IT**

BCS HIGHER EDUCATION QUALIFICATIONS  
BCS Level 5 Diploma in IT

**Professional Issues in Information Systems Practice**

Friday 7<sup>th</sup> May 2021 – 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) Identify and explain **TWO** benefits of adopting the BCS Code of Conduct in the field of computing and information systems. Support your answer with relevant examples for the **TWO** benefits.  
**(10 marks)**
- b) Discuss **THREE** ways that professional bodies can contribute to professional practice in organisations. Support your answer with a relevant example for **EACH**.  
**(15 marks)**
- A2.**
- a) Identify and describe the **THREE** most important characteristics of a limited company, using relevant examples to illustrate your answer.  
**(15 marks)**
- b) Many companies have both executive directors and non-executive directors. Explain the similarities and differences between these roles.  
**(10 marks)**
- A3.**
- a) Explain how the following three techniques might benefit an IT organisation. The following three techniques are all applied in the process of job design:
- i) Job rotation;
  - ii) Job enlargement;
  - iii) Job enrichment.
- Support your answer with a relevant example for **EACH** technique.  
**(15 marks)**
- b) Job evaluation schemes are either 'analytical' or 'non-analytical'. Using relevant examples, explain the meaning for each scheme.  
**(10 marks)**

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

- B4.**
- a) The company AB Cambria manufactured some USB pen drives. The production cost was £2500. The company sold the pen drives for £5000. There were a number of expenses which included advertising for £500, depreciation for £100, office supplies for £50, rent for £350, taxes of £250 and salaries of £500.
- Create a Profit and Loss statement showing gross and net profits and explain how you derived those figures.  
**(15 marks)**
- b) A company is considering starting a new project to develop an accounting software package to sell to businesses. There are various costs associated with the development of this software, which include staffing, rent, utilities, and marketing.
- Those costs will be higher in the first two years when the software development work will take place. The company has plans for marketing the software in years 3 to 5 with projected sales figures.
- Based on the above scenario, explain what Discounted Cash Flow Analysis is and how the company can use it to assess the feasibility of the project.  
**(10 marks)**
- B5.**
- a) Under UK Data Protection legislation, what would a UK organisation need to do to ensure that personal data held was treated appropriately?  
**(10 marks)**
- b) What protection could copyright law provide for a UK company that produces payroll software?  
**(15 marks)**
- B6.**
- a) What is the purpose of the UK Regulation of Investigatory Powers Act? How would organisations comply with this?  
**(12 marks)**
- b) Discuss what the UK Freedom of Information Act is and how a UK public authority would comply with the Act. In your answer, consider what rights the Act provides to a person who wants access to information held by a UK public authority.  
**(13 marks)**

**End of Examination**