BCS THE CHARTERED INSTITUTE FOR IT

BCS HIGHER EDUCATION QUALIFICATIONS
BCS Level 5 Diploma in IT

PROFESSIONAL ISSUES IN INFORMATION SYSTEMS PRACTICE

Thursday 19th March – Afternoon

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

Time: TWO hours

Answer any <u>Section A</u> questions you attempt in <u>Answer Book A</u>
Answer any <u>Section B</u> questions you attempt in <u>Answer Book B</u>

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

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

A1. This question is about Accreditation and the Code of Conduct.

   a) BCS accredits Higher Education degree programmes. Briefly describe **TWO** requirements that are considered when deciding whether to accredit a degree programme.

   (10 marks)

   b) The BCS Code of Conduct is divided into **FOUR** sections; one of these sections is 'The Public Interest'. Members are to be aware of, and comply with, aspects of the law and regulations that govern acting in the public interest. Give **THREE** examples to explain what this means.

   (15 marks)

A2. This question is about Human Resources.

   a) Identify **FIVE** responsibilities that HR departments in UK organisations have towards the workforce and the organisation itself.

   (10 marks)

   b) Describe **THREE** selection techniques that can be used by employers to help in making professional appointments.

   (15 marks)

A3. This question is about Organisations and their Structure.

   a) Identify the **THREE** most important characteristics of a limited company.

   (6 marks)

   b) Briefly explain the difference between a Public Limited Company (plc), and a Private Limited company.

   (5 marks)

   c) Two recent Computing graduates plan to set up a software company together. Discuss the advantages and disadvantages of setting up as:

   - A partnership;
   - A limited company.

   (14 marks)

[Turn Over]

B4. This question is about Finance.

a) The following information is available for the company ABC Ltd.

Cash sales for the year	£10,000
Cash paid to suppliers	£15,000
Cash collection on accounts receivables	£12,000
Rent paid	£1,000
Equity share issued	£1,500
Equipment purchased	£4,000
Equipment sale	£800
Dividend paid	£400

There was a net cash increase of £3,900. Prepare a cash flow statement based on the above information.

(15 marks)

b) Explain what is meant by:

(i) Depreciation and identify **TWO** methods of depreciation.

(5 marks)

(ii) Assets and give **TWO** examples of assets.

(5 marks)

B5. This question is about Legal Obligations.

A police investigation of harassment is looking at the actions of an individual.

a) The police officers conducting the investigation have seized the individual's laptop. The laptop is password protected, and the individual who owns the laptop will not hand over the password to the police officers. Explain how the UK Regulation of Investigatory Powers Act 2000 would apply to this scenario.

(10 marks)

b) It is discovered that the individual has hacked into a company website and has altered the website to display offensive comments regarding an employee of the company. Explain how the UK Computer Misuse Act 1990 would apply to this scenario.

(15 marks)

B6. This question is about Legal Obligations and Intellectual Property.

a) Outline how a university website, and information systems within a university, might be used in order to comply with the UK Freedom of Information Act 2000.

(15 marks)

b) A police computer forensic analyst is investigating the dissemination of illegal copies of videos within the university via a peer to peer network. A person has been identified, who has downloaded hundreds of illegal pirate copies of videos, and who has also made legally purchased videos available to others via the peer to peer network.

Explain how the UK Copyright, Designs and Patents Act 1998 would apply to this scenario.

(10 marks)

END OF EXAMINATION