

BCS THE CHARTERED INSTITUTE FOR IT

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

PROFESSIONAL ISSUES IN INFORMATION SYSTEMS PRACTICE

Wednesday 18th September 2019 - 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.

[Turn Over]

Section A
Answer Section A questions in Answer Book A

A1.

- a) Using an example in the computing industry, explain the meaning of Professionalism.

(10 marks)

- b) The BCS Royal Charter states that one of its objectives is to advance knowledge of computing. Give THREE examples with brief explanations of how BCS works towards this objective.

(15 marks)

A2.

- a) There are THREE principles that are fundamental to the concept of a limited liability company. Identify and describe TWO of these principles.

(10 marks)

- b) Outsourcing of a company's IT provision is now widely practised. Give THREE arguments in favour of outsourcing IT provision. Use examples to illustrate the answer.

(15 marks)

A3.

- a) Briefly describe what the SFIPlus framework is.

(7 marks)

- b) Identify and briefly describe the SIX main categories of work in the SFIPlus framework.

(6 marks)

- c) There is a job vacancy for a Senior Developer in your organisation's IT team and all the candidates on a short list are equal in terms of their formal qualifications. Describe THREE different techniques that might be used to select the most suitable candidate and indicate the strengths and weaknesses of each technique.

(12 marks)

[Turn Over]

Section B
Answer Section B questions in Answer Book B

B4.

- a) Explain each of the following terms. Provide an example for each one.
- i. Owner's equity;
 - ii. Accrual basis;
 - iii. Direct and Indirect Costs.

(15 marks)

- b) ABC Company started with an initial investment of £4000 in 2016. A number of transitions have taken place in the accounts during 2018.

The information is summarised in the following table. All figures are in millions.

Land and Building	2500
Equipment	1500
Accumulated Depreciation	-200
Bank	1250
Stock	2500
Debtors	150
Short term creditors	400
Wages payable	200
Tax payable	100
Long term liabilities	2000
Capital	3000
Retained Earnings	1000

Prepare a balance sheet for the year 2018 based on the above information.

(10 marks)

B5.

A UK based company has developed a number of applications (apps) for mobile telephones. The apps show text and images to a user and play audio and video that has been created for the application.

- a) Explain how the UK Copyright, Designs and Patents Act 1988, and the UK Trademarks Act 1994 could be used to protect the applications from this company.
- b) Outline how the applications from the company could be made accessible for those with visual and hearing impairments, to comply with equality legislation.

(15 marks)

(10 marks)

[Turn Over]

- B6.** A company based in the UK is going to start a new e-commerce site that sells clothes.
- a) What would the company need to do to comply with UK data protection legislation?
(15 marks)
 - b) What would need to be done to ensure that the company complied with UK consumer legislation?
(10 marks)

End of Exam