

BCS THE CHARTERED INSTITUTE FOR IT

BCS HIGHER EDUCATION QUALIFICATIONS
BCS Level 6 Professional Graduate Diploma in IT

MANAGEMENT INFORMATION SYSTEMS

Wednesday 20th April 2022 - Afternoon

Answer **any** THREE questions out of FIVE. All questions carry equal marks.

Time: THREE 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) For **each** of these corporate functions, describe **ONE** information system function which is essential to the successful running of the business.

- Human Resources
- Marketing
- Production
- Finance.

(16 marks)

b) Describe the ways in which data flows should be controlled between any **TWO** of these information system functions. You should state any assumptions that you make.

(9 marks)

A2.

a) With a multitude of mobile devices now being used by staff at all levels in a business, write a structured analysis of how the office automation systems of a commercial organisation will need to change in order to accommodate new ways of working. Your analysis should include the following categories:

- Confidentiality
- Integrity
- Availability.

You should state any assumptions that you make regarding the nature of the organisation and its structure.

(25 marks)

A3.

a) You are the MIS Manager for a medium-sized manufacturing firm. The Head of IT for the organisation is planning to move the data storage infrastructure of the firm from an in-house server farm to a cloud-based solution.

Describe in detail **FIVE** questions which you would ask the Head of IT before giving your support to this project. You should explain the relevance of your questions in terms of the MIS function.

(25 marks)

Section B
Answer Section B questions in Answer Book B

B4.

A senior figure in corporate accounting was quoted as saying: "The uncontrolled use of spreadsheets in businesses has caused many more problems than benefits".

a) Discuss to what extent you agree, or disagree, with this statement. You should provide examples to support any arguments that you make.

(15 marks)

b) Provide a set of **FIVE** brief guidelines which could help ensure the effective use of spreadsheets in organisations.

(10 marks)

B5.

Mobile access to information is now the primary point of contact between potential customers and commercial organisations in many parts of the world.

a) Describe in detail **THREE** key differences between desk-based and mobile access to company information which need to be reflected in MIS systems today.

(15 marks)

b) Write a blog post for fellow MIS professionals describing your vision for MIS provision ten years from now.

(10 marks)

End of Examination