

Section B
Answer Section B questions in Answer Book B

B4.

- a) Describe **two** of the main project management methodologies and explain the advantages of adopting **each** one for an organisation that needs to deliver a business-critical project.
(8 marks)
- b) Explain how sampling, questionnaires, interviewing, reading (or research), and observation (SQIRO) techniques are best applied in a Management Information System (MIS) implementation.
(7 marks)
- c) Explain the main drawbacks in the use of case tools to aid MIS development.
(5 marks)
- d) Explain what needs to be considered in deciding to adopt a customisable package solution.
(5 marks)

B5.

- a) Explain the main changes in hardware and software technologies over the past decade.
(7 marks)
- b) Explain how Management Information Systems (MIS) have influenced and enabled the changes that have been made in virtual and flexible management organisations.
(8 marks)
- c) Define the term 'mobile computing' and provide some examples currently in use.
(5 marks)
- d) Describe how Management Information Systems (MIS) have created opportunities for social media.
(5 marks)

END OF EXAMINATION

BCS THE CHARTERED INSTITUTE FOR IT

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

MANAGEMENT INFORMATION SYSTEMS

Monday 7th October 2024 - 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) Describe the main activities of management. **(5 marks)**
- b) Explain the inter-relationship between planning and control systems. **(3 marks)**
- c) Explain the main elements of a SWOT analysis. **(5 marks)**
- d) Describe an example of how Simon's Decision-Making Model may be used. **(3 marks)**
- e) Name any **three** of the main elements of management information. **(3 marks)**
- f) Describe the roles of both a direct user and intermediary user of a management information system. **(6 marks)**

A2.

- a) Describe any **one** of the main advantages of using a Management Information System (MIS). **(5 marks)**
- b) Explain the main differences between a Decision Support System (DSS) and a Group Decision Support System (GDSS). **(5 marks)**
- c) Provide **three** examples of Office Information Systems (OIS). **(3 marks)**
- d) Define an Expert System (ES). **(5 marks)**
- e) Define data mining and provide **one** example of its type. **(3 marks)**
- f) Explain the main security issues that need to be addressed prior to the implementation of an internet system. **(4 marks)**

A3.

- a) Describe the role of strategic planning (SP) and Strategic IS Planning (SISP) in identifying Management Information System (MIS) requirements. **(5 marks)**
- b) Name **five** of the main components of a feasibility study. **(5 marks)**
- c) Explain what is meant by the term CSF/KPI hierarchy diagramming. **(3 marks)**
- d) Explain some of the main advantages in the use of case tools to aid Management Information System (MIS) development. **(5 marks)**
- e) Explain the main advantages of a software package solution. **(7 marks)**

[Turn Over]