

BCS THE CHARTERED INSTITUTE FOR IT

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

MANAGEMENT INFORMATION SYSTEMS

Monday 15th April 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.

Corporate strategic planning and the associated use of Management Information Systems (MIS) are vital tools for any organisation and are a major contributory factor towards its success.

You have been asked by a newly formed company to undertake a corporate strategic plan.

The company has an initial staff of 20 people but is expected to grow to 200 by the end of year 3.

- a) Explain, with examples, the types and levels of management you would recommend the company to adopt as part of the corporate strategic planning. **(13 marks)**

- b) Explain, with examples, how the planning and control elements of the MIS inter-relate. **(12 marks)**

A2.

Describe and explain, with examples, a Group Decision Support System (GDSS). **(25 marks)**

A3.

Describe and explain, with examples, what is meant by the term Office Information Systems (OIS) and how these systems are used for the benefit of organisations. **(25 marks)**

Section B
Answer Section B questions in Answer Book B

B4.

Computer-Aided Software Engineering (CASE) tools have been used by developers for some decades now and are used to provide support for the development of information systems such as Management Information Systems.

- a) Explain the advantages and disadvantages of using a CASE tool. **(13 marks)**

- b) Explain how CASE tools are used in software engineering. **(12 marks)**

B5.

Mobile computing is widely used and provides both advantages and disadvantages for the provision of management information.

- a) Explain what is meant by mobile computing. **(13 marks)**

- b) Describe the advantages and the challenges in the use of Mobile Management Information Systems (MIS). **(12 marks)**

END OF EXAMINATION