

BCS THE CHARTERED INSTITUTE FOR IT

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

MANAGEMENT INFORMATION SYSTEMS

Monday 16th March 2020 – 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
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Section A
Answer Section A questions in Answer Book A

A1.

- a) Define and compare '**corporate strategic planning**' and '**strategic information systems planning**', clearly identifying the ways in which they interrelate.
(9 marks)
- b) Outline **TWO** strategic planning techniques, explaining how **EACH** technique can aid the identification of relevant MIS project proposals for an organisation.
(16 marks)

A2.

- a) With the aid of a suitable supporting diagram, outline the purpose and key components of a **Decision Support System (DSS)**.
(8 marks)
- b) With reference to the diagram you provided in your answer to (a), compare the support provided within Individual DSS to that provided in Group DSS.
(8 marks)
- c) Explain the evolutionary approach to MIS development, and when it would be most suitable for the development of an Individual DSS.
(9 Marks)

A3.

With respect to **EACH** of the following contemporary MIS technologies, discuss **TWO** benefits of the technology and **THREE** issues that an organisation would need to consider when making a decision on whether or not to adopt that technology:

- (i) Enterprise data warehouse;
- (ii) Open source information reporting tool;
- (iii) Data mining algorithms to develop predictive models.

Make sure you define **EACH** MIS technology within your answer.

(25 Marks)

[Turn Over]

Section B
Answer Section B questions in Answer Book B

B4.

A senior executive employed by a major consultancy was recently quoted as saying the following:

'As a result of the speed of change in the development of web and mobile technology, traditional concepts of MIS are now completely irrelevant.'

- a) Discuss the degree to which you agree **OR** disagree with this statement, with at least **THREE** supporting examples. **(15 marks)**
- b) Write a newspaper article describing your view on the future of MIS development and how it will impact on society. **(10 marks)**

B5.

You have been proposed as the Project Manager for a major MIS implementation in a government organisation.

- a) Describe **THREE** essential criteria regarding the project which should be agreed with senior management before you accept the role. **(15 marks)**
- b) Describe how you would plan the delivery of a major MIS project to reduce the chance of project failure. **(10 marks)**

End of Examination