BCS THE CHARTERED INSTITUTE FOR IT

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

MANAGEMENT INFORMATION SYSTEMS

Monday 17th April 2023 - 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.
A1.
Managers perform one or more activities as part of their managerial duties.

For each of the following management activities, describe and justify ONE suitable Management Information System (MIS) that could effectively support the activity, giving suitable examples and diagrams wherever possible.

a) Monitoring the external environment for information that could be useful to the manager and their team.
   (8 marks)

b) Identifying issues within the work undertaken by the manager’s team so that they can identify and take actions.
   (8 marks)

c) Allocating resources to work tasks that are assigned to the manager’s team to achieve planned outcomes.
   (9 marks)

A2.

a) Define self-service Business Intelligence (BI) Systems and explain their key features.
   (6 marks)

b) Outline TWO benefits and TWO potential drawbacks to self-service BI systems, in comparison to BI systems that are not self-service.
   (8 marks)

c) Your company is considering implementing a self-service BI system to support Human Resources (HR) management decision making. A feasibility assessment is required before a decision to proceed can be made.
   Describe what contents you, as an IT manager, would expect to see covered within the feasibility assessment for this self-service BI system proposal and who you would expect to be involved in the approval decision.
   (11 marks)

A3.

Compare and contrast each of the following pairs of MIS concepts:

i) Periodic reports and ad-hoc reports.
   (5 marks)

ii) Simulation model and forecasting model.
   (6 marks)

iii) Independent data mart and enterprise data warehouse.
    (7 marks)

iv) Enterprise Resource Planning (ERP) system and Online Analytical Processing (OLAP) system.
    (7 marks)