Examiner Report	
Qualification Name	Higher Education Qualification
Qualification Level	Diploma
Date/ Series	April 2024
Module	Big Data Management
Question no.	**comments**
A1	In part a) of this question some candidates misinterpreted the question and answered the question entirely based on the technologies of big data and not on the strategic business considerations. Many lost marks or achieved no marks for this part. Similarly, in part b), many candidates interpreted this question as technologies and concentrated on speed, volume and quantity of data. Few answered in terms of better business performance, better inventory management or gave instances of improvements in areas such as health care and education by using big data management**.** Parts c) and d) were reasonably well answered by many candidates.
Question no.	**Comments**
A2	Parts a) and b) were reasonably well answered by most candidates. Parts c) and d) were not well answered with very few candidates attempting to answer the question on E-L or UML models. Many candidates did not attempt part d) and made no attempt to identify and explain stages in modelling.
Question no.	**comments**
A3	Too few attempts to make or identify common issues.

Question no.	comments
B4	85% of candidates addressed this question with 66% achieving a pass grade.

Part a) considering fundamental concepts was answered well.

Part b) explored the requirement of trade-offs between speed, volume and consistency in data processing. Answers often lacked details, and circulated back to the same points already made without contributing additional insights.

Part c) The idea of k-means being a clustering function was clear to many, but there was little in the answers beyond this. |

Question no.	comments
B5	Few candidates answered this question.

Part a) The difference between MapReduce and Apache Spark on two dimensions were not identified in any meaningful detail.

Part b) Answers explaining why Appache Spark was superior in a certain aspect were generally not to the point.

Part c) Typical applications for a number of frameworks were generally answered reasonably well. |

Question no.	comments
B6	57% of students answered this question with 75% of those passing, highlighting that answers were generally good.

Part a) Explored types of data in various no-SQL databases; explanations were generally good and correct, some students allocated the wrong type of data into the databases.

Part b) Answers described the concepts, but were generally superficial (the terms were defined but their meanings and relations were not explored).

Part c) Answers were very weak, often stating that the provided statement on NoSQL databases was true but there was no justification or explanation provided. |