

- c. i) Write query in SQL and MongoDB to select orderId and orderDate for a customer with ID as IN_BL_12182. (02 Marks)
- ii) Write equivalent query in MongoDB for a given SQL query.
 select * FROM customerorder, orderItem, product
 where
 customerOrder.orderID = orderItem.customerOrderID
 AND orderItem.productID = product.productID
 AND product.name LIKE '%Refactoring%' (02 Marks)

Module-5

- 9 a. Describe the procedure to add indexing for the nodes in the NE04J database. (08 Marks)
- b. Consider Barbara is connected to Jill by two distinct paths; write query with explanation to
 i) Find all these paths and the distance between Barbara and Jill along those different paths.
 ii) Find shortest path between Barbara and Jill using pathfinder and Dijkstra's algorithm. (12 Marks)

OR

- 10 a. Explain Graph database. List out use cases of Graph database. (08 Marks)
- b. Write cipher queries to
 i) Find all outgoing relationships with the type of Friend and return the friends names of person "AAAAAA" for greater depth than one.
 ii) Find relationships where a particular relationship property exists. Filter on the properties of relationships and query if a property exists or not. (06 Marks)
- c. Describe the ways to scale in graph databases. (06 Marks)
