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Database Management with SQL Server (OV – 113)

Duration:	2 Months*	**Fee:**	
Eligibility:	Undergraduates/ graduates/ working professionals/ engineers		
Job opportunities:	*On completing this course, you can build a successful career as **Database Developer**.*		

Evaluation Strategy:

***Award of* Grades**

PASS	CREDIT	DISTINCTION
Overall Weighted Marks >= 40% but < 60% qualifies for **PASS**	Overall Weighted Marks >= 60% but < 75% qualifies for **CREDIT**	Overall Weighted Marks >= 75% but < 60% qualifies for **DISTINCTION**

Note: To attain a PASS/CREDIT/DISTINCTION grade, a student should achieve at least 40% in Final Examination; otherwise he/she will be declared as 'Referred'.

Learner's Guide (eBook)

Course Content

SQL

1. Describe the architecture and editions of SQL Server.
2. Work with SQL Server Management Studio.
3. Describe the basic architecture, versions, and editions of SQL Server.
4. Describe the role of SQL Azure compared to on-premises SQL Server.
5. Describe how to connect to SQL Azure with SSMS.
6. Categorize SQL statements into their dialects.
7. Identify the elements of T-SQL, including predicates, operators, expressions, and comments.
8. Describe the elements of a SELECT statement.
9. Write SELECT DISTINCT clauses.
10. Describe the common join types in T-SQL queries.
11. Write queries that use joins.
12. Describe how to sort and filter data.
13. Describe the difference between implicit and explicit data type conversion.
14. Describe the character data types supplied by SQL Server.
15. Describe the impact of collation on character data.
16. Concatenate strings.
17. Extract and manipulate character data using built-in functions.
18. Write queries comparing dates and times.
19. Write queries that use the HAVING clause to filter groups.
20. Use Table Expressions.
21. Use Set Operators.
22. Write queries that use window aggregate, window ranking, and window offset functions.
23. Describe an overview of SQL Server 2016.
24. Describe the architecture of SQL Server 2016.
25. List and describe the different editions and versions of SQL Server.
26. Outline the new features of SQL Server 2016.
27. Explain In-database Advanced Analytics.
28. Explain JSON support in SQL Server 2016.
29. Describe SQL Server 2016 In-memory enhancements.
30. Explain support for in-database analytics with R integration.
31. Describe how to configure the number of tempdb data files.
32. Explain Multiple TempDB data files.
33. Outline the Execution Plans feature in SQL Server 2016.
34. Explain how to automatically keep the history of the data in the table.
35. Explain how to protect data at rest and in motion.

	36. Describe Security enhancements in SQL Server 2016. 37. Explain how to work with JSON data. 38. Explain how to work with PolyBase. 39. Define and describe Query Store. 40. Explain how to dynamically stretch warm and cold transactional data from SQL Server to Azure. 41. Describe how to tune workload performance with Query Store. 42. Explain how to start and use Database Engine Tuning Advisor in SQL Server 2016. 43. Explain the set of tools for monitoring events in SQL Server 2016 and for tuning the physical database design. 44. Outline the enhancements in T-SQL.
Documents Required:	1. All educational certificates 2. Age proof 3. Residential address proof (Permanent and Current) 4. Two Passport size Photograph
Pay your fee Offline as well as Online, For Online Payment Scan QR Code	