

FIFTH SEMESTER B.Voc. DEGREE EXAMINATION, NOVEMBER 2016**Software Development****SDC 5IT 17— .NET AND DATABASE ADMINISTRATION**

Time : Three Hours

Maximum : 80 Marks

Part A

*Answer all questions.
Each question carries 1 mark.*

1. _____ is the built in class library for the .NET Framework.
2. Which of the following constitutes the .NET Framework ?
 - (a) ASP.NET Applications.
 - (b) CLR.
 - (c) Framework Class Library.
 - (d) WinForm Applications.
3. A class that cannot be inherited is a _____ class.
4. The scope of a variable refers to :
 - (a) The length of the variable.
 - (b) The name of the variable.
 - (c) The accessibility of the variable.
 - (d) The data type of the variable.
5. Data adapters are associated with connected data objects (True/False).
6. Which of the following is not true about ADO .NET ?
 - (a) ADO.NET enables to create distributed data sharing applications
 - (b) ADO.NET uses XML to transfer data across applications and data source.
 - (c) ADO.NET doesn't support disconnected architecture.
 - (d) The classes of ADO.NET are defined in the System.Data namespace.
7. DBCA stands for _____.
8. Extends are formed by combining adjacent _____.
 - (a) Blocks.
 - (b) Files.
 - (c) Records.
 - (d) None of these.

Turn over

9. In log based recovery, the log is a sequence of _____.
(a) Filter. (b) Records.
(c) Blocks. (d) Numbers.
10. _____ command is used to change the RMAN configurations.

(10 × 1 = 10 marks)

Part B

*Answer any **eight** questions, not exceeding a paragraph of 50 words.
Each question carries 2 marks.*

11. What is Just in time compiler ?
12. What is an assembly ?
13. What is common Language Specification (CLS) ?
14. How C# supports static polymorphism ?
15. What are the different conditional statements in C# ?
16. List the five types of tokens in available in C#.
17. What is the difference between ADO and ADO.NET ?
18. Explain the function of the ExecuteNonQuery() method of the ADO.NET Command object.
19. How backup and recovery is done in Oracle.
20. What do you mean by physical database structure ?
21. What is metadata ?
22. How recovery is done using RMAN ?

(8 × 2 = 16 marks)

Part C

*Answer any **six** questions, in a page of 250 words.
Each question carries 4 marks.*

23. What is the difference between shared and public assembly ?
24. Explain the .NET Framework Class Library.
25. Explain constructor overloading in C# with an example.
26. Explain keyboard events in C#.
27. Explain ExecuteScalar method in ADO.NET.

28. What are the important classes available in ADO.NET ?
29. Explain oracle basic memory architecture.
30. Explain about Oracle flashback technology.
31. Explain ASM file components.

(6 × 4 = 24 marks)

Part D

*Answer any **two** questions, not exceeding **four** pages.*

32. How do you manage errors and exceptions in C# ? Explain with examples.

Or

33. Write short notes on :

- (a) Image list.
- (b) Tree views.
- (c) List views.

34. Write the code to create a student registration form in C# using form control.

Or

35. What is ASM ? Explain.

(2 × 15 = 30 marks)