

FIFTH SEMESTER B.VOC. DEGREE EXAMINATION, NOVEMBER 2018**Software Development****SDC 5IT 17—.NET AND DATABASE ADMINISTRATION**

Time : Three Hours

Maximum : 80 Marks

Part A*Answer all questions.*

1. .NET Framework class library is divided into _____ and _____.
2. What is boxing ?
 - (a) Encapsulating an object in a value type.
 - (b) Encapsulating a copy of an object in a value type.
 - (c) Encapsulating a value type in an object.
 - (d) Encapsulating a copy of a value type in an object.
3. How do you declare array in C# ?
4. Which event is activated when a Radio Button is selected ?
 - (a) Checked.
 - (b) Checked Changed.
 - (c) Selected.
 - (d) Selected Changed.
5. _____ method of ADO.NET command object enables to execute SELECT commands.
6. Which method do you invoke on the sql Data Adapter object to load data set with data ?
 - (a) Update.
 - (b) Fill.
 - (c) Gather.
 - (d) Load.
7. _____ strategy is used to reconstruct the database after data loss.
8. SGA stands for _____.
 - (a) Software Global Area.
 - (b) System Global Area.
 - (c) Software Grid Array.
 - (d) System Grid Array.
9. ASM uses _____ to store data files.
10. _____ is an alternative of log based recovery.
 - (a) Disk recovery.
 - (b) Shadow paging.
 - (c) Dish shadowing.
 - (d) Crash recovery.

(10 × 1 = 10 marks)

Turn over

Part B

Answer any **eight** questions, not exceeding a **paragraph** of 50 words.

11. Differentiate between managed and unmanaged code.
12. What is garbage collection ?
13. What are the uses of delegates in C# ?
14. How to sort an array in C# ?
15. What is destructor ?
16. What is an event ?
17. What do you mean by disconnected data access ?
18. What are the tasks followed by filling the data set ?
19. Describe control files in Oracle.
20. What is flash back technology ?
21. How ASM disk groups are created ?
22. What is the purpose of SHOW and CONFIGURE commands for RMAN environments ?

(8 × 2 = 16 marks)

Part C

Answer any **six** questions, in a **page** of 250 words.

23. Write a note on Just-In Time compiler.
24. How exception handling is done in C# ?
25. Write the code to design a login form in C#.
26. Explain the difference between abstract class and interface.
27. Explain the properties and methods of command object.
28. Describe the components of ADO.NET Data Reader object.
29. How do you configure the oracle network environment ?
30. How backup and recovery is done in Oracle ?
31. Write a short note on managing database performance.

(6 × 4 = 24 marks)

Part D

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

32. Explain about Common Language Runtime.

Or

33. What is inheritance ? How multiple inheritance is implemented in C# ? Explain with an example.

34. Describe ADO.NET architecture.

Or

35. How will you implement database security in Oracle ? Explain.

(2 × 15 = 30 marks)