

7. (i) How Data views are created in ADONet ? Also explain how data can be filtered depending on the user requirements.
- (ii) Discuss in detail how data can be displayed by using multiple tables in ADONet environment.

Unit-IV

8. (i) What do you understand by Session while working with ASPNet ? Explain any two ways by which states can be managed.
- (ii) Briefly discuss the working of Form based authentication along with its importance.
9. (i) Explain how connected database behave differently from disconnected database in ASPNet.
- (ii) What important roles are performed by data adapter and data reader in ASPNet environment ?

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Roll No. :

Total No. of Questions : 9]

[Total No. of Pages : 4

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MCA 5th Semester (Regular)
Examination, February-2022
(CBCS Scheme Current w.e.f. 2018-19)
Paper-18MCA35C1

ADVANCED TECHNOLOGY

Time : Three Hours]

[Maximum Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note :- Attempt five questions in all, selecting one question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

Compulsory Question

1. (i) How Com technology differs from OLE technology ?
- (ii) List different components of .NET Infrastructure and Tools.
- (iii) Usage of Destructor is not mandatory but recommended. Comment.

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- (iv) Why C# is called as compatible and inter operable language ?
- (v) What do you mean by data bound controls ? Give example
- (vi) Briefly define the Language Integrated Query (LINQ) used in ADO.Net
- (vii) Why HTML constructs are not called as commands rather tags ?
- (viii) Detail out how impersonation can be used for securing web applications in ASP.Net.

Unit-I

- 2. (i) Explain how managed code is different and more desirable as compared to unmanaged code in .Net environment.
- (ii) Elaborate the functionalities associated to Framework Base Classes, component of .Net framework.
- 3. (i) Explain what important role is played by Just In Time (JIT) compiler while executing a program.
- (ii) What are third party languages ? Name any four such languages in context to .Net framework.

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- #### Unit-II
- 4. (i) Explain how read only members behave differently from constant members of a class.
 - (ii) What are different visibility controls ? Explain by referring Class visibility and Class member visibility.

- 5. State how multiple inheritance can be implemented in C# by using interfaces. Detail our defining, extending and implementing an interface with a small C# snippet to support your answer.

Unit-III

- 6. (i) Explain how Typed datasets are different from Untyped datasets used in ADO.Net environment.
- (ii) Detail our how Binding Context objects along with CurrencyManager helps in navigating between records.

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