

UNIT – IV

8. (i) Differentiate between the ASP.Net Application and Page life cycle with an appropriate diagram.
- (ii) Briefly explain how authentication and authorization can be achieved in ASP. Net applications.
9. (i) What do you mean by session in ASP. Net ? How sessions are created and used in ASP. Net environment ?
- (ii) State the importance and relevance of using validations with ASP. Net application. Also detail the use of Range Validator and Compare Validator.

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(4)

Roll No.

67193-N

MCA 4th Semester 2 Yr. Course

Examination – July, 2022

WEB DEVELOPMENT USING. NET FRAMEWORK

Paper : 21MCA24C3

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. Question No. 1 is *compulsory*. All questions carry equals marks.

1. (a) Intermediate Language (IL) provides true cross language integration. Comment.
- (b) What is the purpose of using String Builder Class in C# Programming ? Explain.
- (c) Name any four method modifiers available in C# Language.
- (d) Differentiate between error and exception with an example.

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- (e) Mention the steps how a new form object can be added in an existing project in visual studio.
- (f) Write down any two properties associated with radio button and for rich test box.
- (g) Briefly discuss different components of ASP. net framework.
- (h) State the importance of data binding in ASP. net applications.

UNIT - I

- 2. (i) How a managed code is different from unmanaged code ? What metadata is used for this conversion i.e. from unmanaged to managed code ?
 - (ii) What do you understand by JIT compiler ? Detail out its working with the help of labeled flowchart.
- 3. (i) Define literal and its types permissible in C#. Also present the taxonomy of C# data types pictorially.
 - (ii) With the help of C# snippet code, explain the concept of fall through in switch case and usage of for each loop.
- 4. (i) Prove that standard inheritance is different from containment inheritance with the help of diagram and example in C#.

UNIT - II

- (ii) Elaborate how inclusion polymorphism can be implemented in C# language. Also mention its advantages.
- 5. (i) Why instantiation of interfaces is not possible ? Give reasons and its solution also.
 - (ii) What are delegates ? Elaborate all four steps used for creating and using delegated in C# language.
- 6. (i) What functionality is associated to the error provider control available in toolbox of windows form ? Explain with an example.
 - (ii) Detail out the various steps involved in the life cycle of windows form. Also mention one event each for every phase.
- 7. (i) How connected approach works differently from disconnected approach in retrieving data from any data source into visual studio with the help of ADO. Net ?
 - (ii) Detail out all steps that are required to perform CRUD operations on data retrieved from sql server with the help of ADO. Net. Explain any one of the CRUD operation.

UNIT - III

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