

Roll No. :

Total No. of Questions : 11]

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BFMS-446

M.Sc. (Final) Examination, 2023

COMPUTER SCIENCE

Paper - MCS-204 (B)

(Web Application Programming)

Time : 3 Hours]

[Maximum Marks : 50

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **3** marks.

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer any *three* questions out of five (Answer limit **500** words). Each question carries **5** marks.

Section-A

1. (i) Differentiate between managed and unmanaged codes.
- (ii) How is a .NET application executed ?
- (iii) What are static constructors in C# ?
- (iv) What is reflection ?

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- (v) What is a web form ?
- (vi) Discuss client and server side validation
- (vii) What is the use of range validator ?
- (viii) Explain the difference between ADO.NET and ASP.NET.
- (ix) What is serialization ?
- (x) Differentiate between data set and data table

Section-B

2. Discuss boxing and unboxing in .NET with its advantages and disadvantages.

Or

Explain .NET architecture.

3. Explain the visibility of class and class members with suitable examples.

Or

What is an interface ? How is it useful explain with suitable examples in C#.

4. How will you create a multiform web project ?

Or

What is the basic difference between a checkbox and a radiobutton ? Discuss major properties of checkbox and radiobutton.

5. Explain calendar control with its properties and events with an example.

Or

Explain Ad Rotator control. What is the procedure to add advertisements on Ad Rotator control using XML file.

6. Design a web form to illustrate database connectivity for inserting and display records.

Or

Write an example code to fill the Gridview by using the object of data table during runtime.

Section-C

7. Explain flow-control statements in C#.
8. Explain Delegates in detail. In which circumstances is delegate more appropriate than an interface ?
9. Write down the steps to create and run a web application with :
 - (a) Labels
 - (b) Textboxes
 - (c) Radiobuttons.
10. What is state management in ASP.NET ?
11. Explain ADO.NET architecture with the help of a diagram. What is the concept of connected and disconnected architecture ?