

“प्रश्न-पत्र पर क्रमांक (रोल नम्बर) के अतिरिक्त कुछ भी न लिखें, अन्यथा इसे अनुचित साधनों का प्रयोग माना जायेगा तथा नियमों के अनुसार कार्यवाही की जायेगी।”

*“Do not write anything on question-paper except Roll Number, otherwise it shall be deemed as an act of indulging in unfair means and action shall be taken as per rules.”*

Roll No. ....

**B.C.A. (III)**  
**1734**

**Web Tech.**

**B.C.A. (Part-III) Examination, 2017**

**Paper-IV**

**BCA-304 : WEB TECHNOLOGIES**

Time - Three Hours  
Maximum Marks - 80

नोट :- (1) प्रश्न संख्या 1 अनिवार्य है। शेष प्रश्नों में से किन्हीं चार को हल कीजिए।

(2) सभी प्रश्नों के अंक समान हैं।

Note :- (1) Question No. 1 is compulsory. Attempt any FOUR questions from the remaining questions.

(2) All questions carry equal marks.



1.
  - a) What is Reflection?
  - b) Differentiate strong typing and weak typing?
  - c) How are white-space handled by XML?
  - d) What is cross page posting?
  - e) List the major built-in objects in ASP.NET?
  - f) What is the lapsed listener problem?
  - g) How XML is different from HTML?
  - h) What are three category of web centzols?  $8 \times 2 = 16$
2.
  - a) Discuss the concept of Properties in C#. Explain with an example?
  - b) Discuss all three types (Single, Multiple, Jagged) of arrey in C#?  $8 + 8 = 16$
3.
  - a) With the help of example explain the Concept of boxing and unboxing?
  - b) Explain ADO.NET Architecture.  $8 + 8 = 16$
4.
  - a) How do you send email using ASP.NET? Explain with example.

b) How is ASP.NET better than CGI? Explain with example.  $8+8=16$

5. a) Explain how XML document is created with the use of XML parser. Give an example.

b) What is Web Services. Explain building & consuming Web Services?  $8+8=16$

6. a) What is State Management? Explain view state and session state?

b) Write a program in ASP.NET on "how to check a number is prime or nat"?

7. a) Explain following with example :  $8+8=16$

- (i) List box
- (ii) Check box
- (ii) Radio button
- (iv) PANEL
- (v) Ad Rotator

b) How to create a distributed Web Applications in .NET? Explain with an example.  $8+8=16$



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Roll No. 16BCA20288

**B.C.A. (III)**  
**1734**

**Web Tech.**

**B.C.A. (Part-III) EXAMINATION, 2018**  
**PAPER-IV**  
**BCA: 304-WEB TECHNOLOGIES**

Time Allowed - Three Hours  
Maximum Marks - 80

नोट :- (1) प्रश्न संख्या 1 अनिवार्य है। शेष प्रश्नों में से किन्हीं चार को हल कीजिये।

(2) सभी प्रश्नों के अंक समान हैं।

Note :- (1) Question No. 1 is compulsory. Attempt any FOUR questions from the remaining questions.

(2) All questions carry equal marks.

1. (a) What is Atlas ?
- (b) What do you mean by Query string ?
- (c) What is Garbage collector ?
- (d) What is MSIL ?
- (e) Which data type does Range validator control support.
- (f) What is default value of data and boolean data type.
- (g) What are web control in ASP.NET.
- (h) What is the main difference between postback and crosspage posting.

- 692154
2. (a) What is state management ? Explain application state and session class with their methods in details and Give also relatively examples.  
(b) Write a program in ASP.NET to check given number is Armstrong or not ?
  3. (a) Difference between data set and data Reader class with example.  
(b) Difference between boxing and unboxing with example.
  4. (a) Explain life cycle of web page with Relevant method.  
(b) Difference between html server control and web server control with example.
  5. (a) Explain query string with URL Encoding in details.  
(b) Explain calendar control and hidden control in details with a example.
  6. Write short notes on :-
    - (a) Exception handling
    - (b) Http request class with properties
    - (c) Modal and Modeless dialog box.
    - (d) Remote method call using XML.
  7. (a) Write a program to Retrieve data from one web form and display it to another web form.  
(b) What is data binding, which are two types of data binding ? Explain any one in details with proper steps and examples.
  8. (a) Write a code to insert, delete, update and select Records from the database using ADO.net class methods.



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B.C.A. (III)

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Web Tech.

**B.C.A. (Part-III) Examination 2019**

**Paper- IV**

**BCA-304: WEB TECHNOLOGIES**

Time Allowed - Three Hours

Maximum Marks - 80

नोट :- (1) प्रश्न संख्या 1 अनिवार्य है। शेष प्रश्नों में से किन्हीं चार को हल कीजिये।

(2) सभी प्रश्नों के अंक समान हैं।

Note:- (1) Question No. 1 is compulsory. Attempt any **FOUR** questions from the remaining questions.

(2) All questions carry equal marks.

(2x8=16)

- 1- a) Validation  
b) Data Grid  
c) XML  
d) Class  
e) Overview of C#  
f) Type System.  
g) Event  
h) Interfaces.

- 2- i) Explain the frame work of ASP Net and also explain its Control. (8)  
ii) Describe the following:-  
a) List Box b) Check Box.

- 3- a) Write a Program in ASP. Net to prepare a Arithmetic Calculator.  
b) Write a Program in ASP. Net to Calculate a factorial of a given no.

- 4- Difference between:- (8x2=16)  
i) Server Control & Client Control.  
ii) Server side validation & Client side validation.

- 5- What is from validation? Explain Range and Required field, Compare validator with the help of suitable examples. (16)

- 6- i) Explain the architecture of ADO. Net in brief?(8)  
ii) Explain the role of Data Adapter, Data Grid, Data Set and Data binding in brief? (8)

- 7- a) Explain the following terms related to web services:- (8)  
i) SOAP  
ii) WSDL  
b) Explain the structure of C# Programming language in brief? (8)

- 8- Write short notes on:-  
i) Reflection.  
ii) Calendar Control  
iii) Ad rotator Control  
iv) Session State.



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Roll No. 18BCA00753

B.C.A. (III)

1734

Web. Tech.

**B.C.A. (PART - III) EXAMINATION - 2020**

**PAPER - IV**

**BCA-304 : WEB TECHNOLOGIES**

Time - Three Hours

Maximum Marks - 80

Note:- (1) Question No.1 is compulsory. Attempt any FOUR questions from the remaining questions.

(2) All questions carry equal marks.

नोट:- (1) प्रश्न संख्या एक अनिवार्य है। शेष प्रश्नों में से किन्हीं चार को हल कीजिये।

(2) सभी प्रश्नों के अंक समान हैं।



1.
  - (a) What is ASP. Net control ?
  - (b) Explain the text - box control with its syntax?
  - (c) What is cookies ?
  - (d) What is web - forms?
  - (e) Explain XML data document class ?
  - (f) Explain C# identifiers ?
  - (g) How are XML different from HTML?
  - (h) Write difference between ADO and ADO. Net ?

2X8=16

2.
  - (a) Explain ASP. Net framework also explain:-
    - (i) CLR      (ii) Dot. net class library ?      8
  - (b) Explain :
    - (i) Labels      (ii) Radio - Button
    - (iii) Check - Box      (iv) Event      8

3. Explain briefly -
  - (a) Client - side validation
  - (b) Server side validation
  - (c) Ad rotator control
  - (d) Control state management      4X4=16
4.
  - (a) Explain ADO. Net architecture and also explain-
    - (i) Data provider      (ii) Data set      8
  - (b) Explain the following methods of the Data Table.
    - (i) Accept Changes      (ii) Clear

- |  |                   |               |   |
|--|-------------------|---------------|---|
|  | (iii) Import Rows | (iv) New Rows | 8 |
|--|-------------------|---------------|---|
5. (a) Write short notes -
    - (i) SOAP
    - (ii) WSDL 8
  - (b) What is Web-services ? Explain building and consuming web services. 8
  6. (a) Explain -
    - (i) Remote method calling using XML
    - (ii) Read - write XML method 8
  - (b) Explain structure of C # programming language in brief. 8
  7. Give the overview of C # and its feature and also explain C # data types briefly . 16
  8. (a) Difference between html server control and web-server control with example. 8
  - (b) Difference between boxing and unboxing with example . 8



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**B.C.A. (III)**

**1734**

**Web Tech.**

**B.C.A. Part-III**  
**EXAMINATION - 2021**  
**Paper - IV**  
**BCA 304 - Web Technologies**

**Time Allowed : Three Hours**

**Maximum Marks : 80**

**Note :** 1. Question No. 1 is Compulsory. Attempt any four from the remaining questions.

2. All questions carry equal marks.

1. Answer the following questions:  $2 \times 10 = 20$
- (a) Differentiate between radio button and check box button.
- (b) What is the main function of browser?
- (c) Write the HTML code for inserting an image in

the web page.

- (d) Explain different types of hyperlinks.
- (e) What is a cookie?
- (f) What is the software requirement for JavaScript?
- (g) How do you make multiple colors of text in HTML?
- (h) How are BIG and SMALL tags used in HTML?
- (i) What is validation?
- (j) Explain Data Grid.

2. (a) How do we create table in HTML? Design the following three by three matrix with border using `<Table>` tag. 10

10	30	20
20	56	65
34	76	72

- (b) What do you mean by style sheet? Why style sheet is used with HTML? Give an example of style sheet. 10

3. (a) What is mark-up language? Discuss the features of mark-up languages. 10

- (b) What functions do XML parsers perform? Explain. 10



4. (a) What is Cascading Style Sheet (CSS)? What are the benefits of CSS? Write code to apply CSS to an HTML document in two different ways. 15
- (b) Explain the following using CSS giving appropriate code: 5
- (i) Text alignment
  - (ii) Indentation
  - (iii) Decoration
  - (iv) Spacing
  - (v) Transformation
5. (a) Define the World Wide Web. What are the various features of World Wide Web? 10
- (b) What is the difference between Internet and worldwide web? Explain. 10
6. (a) What are the advantages of a Proxy Server? 10
- (b) Explain the framework of ASP Net and also explain its Control. 10
7. (a) Explain the HTML tag <A> with suitable example. 10
- (b) Specify the tag and attributes used to create a textbox which can accept maximum of 20 characters with a default value "Enter Name" in HTML. 10

**P.T.O.**

8. Write short notes on the following:

4×5 = 20

- (a) Client/server computing
- (b) Telnet
- (c) FTP
- (d) Session state.

--X--



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Roll No. 20BCA50135

B.C.A. (III)

1734

Web Tech.

**B.C.A. Part-III EXAMINATION - 2022**

**Paper - IV**

**BCA 304 - Web Technologies**

Time Allowed : **Three Hours**

Maximum Marks : **80**

**Note :** 1. Question No. 1 is Compulsory. Attempt any four from the remaining questions.

2. All questions carry equal marks.

1. Write short notes to answer the following:

(i) What is ASP.NET?

(ii) Define .NET framework?

(iii) What is Web Server?

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(1)

P.T.O.

- (iv) Which Tag is used to find version of XML?
  - (v) Explain XML elements.
  - (vi) What is XML parser?
  - (vii) Define XML name space.
  - (viii) What is Validation?
  - (ix) Explain Data Grid.
  - (x) What is Cookie?
2. (a) Write down 5 differences between window and web based application.
  - (b) Explain client server model.
  - (c) Differentiate client and server control.
3. (a) What is Visual Studio IDE?
  - (b) Write down an XML document to illustrate elements, attributes section.
  - (c) Explain the architecture of ADO.Net.
4. (a) Explain .NET framework with suitable diagram.
  - (b) Explain all type of data types and operator available in C# with example.

5. Write a C# program to add remove and count items with list box.
6. Develop a simple web page that asks the users to input (name, email, phone, gender) and store into database, using server side scripting.
7. (a) What are the rules for creating XML document?
- (b) Write an XML code to store the following information about student  
Each student has a name, address and phone number must be of 10 digits.

--X--