

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

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Exam. Code :

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Bachelor of Computer Applications 6th Semester

(2040)

E-COMMERCE

Paper—BCA-16-601

Time Allowed : ~~Three Hours~~

[Maximum Marks : 65

Note: Attempt 50% of Total Questions of Question Paper. Time: 2 Hours
All will carry equal marks. Fraction will be lower digit.

~~questions carry equal marks.~~

SECTION-A

1. What do you mean by E-Commerce ? Discuss the benefits and challenges of E-Commerce in detail. 13
2. (a) Define EDI. How are EDI enabled systems different from the traditional systems for document exchange ? 7
- (b) Explain the EDI standards in brief. 6

SECTION-B

3. What are the steps in designing a website ? Explain the lifecycle of website building in detail. 13
4. What are the various online promotion tools and techniques available these days ? Briefly discuss each. 13

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SECTION-B

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SECTION-C

5. What do you mean by Electronic Payment System ? How are these different from traditional payment instruments ? Briefly discuss each. 13
6. Discuss the online third party verified payment system through credit and debit cards. 13

SECTION-D

7. Define Mobile Commerce. Discuss the benefits of Mobile Commerce. Discuss the various issues in mobile commerce. 13
8. Elaborate in detail the applications of E-Commerce in retailing, banking and e-governance. 13

SECTION-E

9. Write short notes on the following :
 - (a) Types of E-commerce
 - (b) Search Engine Optimization
 - (c) Electronic Bill Payment System
 - (d) Cyber-Crimes and Cyber Forensics 3+3+3+4

(i) Printed Pages : 2

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Exam. Code :

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Bachelor of Computer Applications 6th Semester

(2040)

APPLICATION DEVELOPMENT USING VB.NET

Paper-BCA-16-602

~~Time Allowed : Three Hours~~

[Maximum Marks : 65

Note: Attempt 50% of Total Questions of Question Paper. Time: 2 Hours
All will carry equal marks. Fraction will be lower digit.

~~four questions by selecting one question from each Section.~~

SECTION—A

1. Explain the advantages of .Net Framework along with its architecture in detail. What is the relevance of Common Language Runtime ? 13
2. Describe elements of Visual Studio .Net IDE. Also explain various controls available in toolbox along with their properties and methods. 13

SECTION—B

3. Highlight major features of VB.Net. Describe the data types and operators along with precedence available in VB.Net. 13
4. Discuss various control constructs available in VB.Net with examples. Explain the usage of strings and various string functions with examples. 13

SECTION—C

5. Compare major features of ASP.Net and ASP. Elaborate various validation controls and their functionalities with examples. 13
6. Discuss various ways of managing state in ASP.Net web application with examples. Write major steps for creating ASP.Net application with example. 13

SECTION—D

7. Explain connected and disconnected model of ADO.Net object model. What is the use of provider classes in ADO.Net ? 13
8. Write short notes on :
 - (a) Data Adapter for Data Navigation and Data Manipulation
 - (b) Using Data Grid View Control with ADO.Net data source. 13

(Compulsory Questions)

9.
 - (a) What is the role of menus ? 2
 - (b) Name major languages supported by .Net Framework. 2
 - (c) List directory related controls. 2
 - (d) What are Web Forms ? 2
 - (e) Write ways to use comments in VB.Net. 2
 - (f) What is the role of data reader ? 3

22/9/2020

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

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Exam. Code :

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Bachelor of Computer Applications 6th Semester
(2040)

COMPUTER GRAPHICS AND MULTIMEDIA APPLICATIONS

Paper—BCA-16-603

~~Time Allowed : Three Hours~~

[Maximum Marks : 65

Note: Attempt 50% of Total Questions of Question Paper. Time: 2 Hours
All will carry equal marks. Fraction will be lower digit.

~~compulsory.~~

SECTION-A

I. Differentiate the following :

(a) Random Scan and Raster Scan Systems

(b) LED and LCD 7,6

II. Explain the role of Computer Graphics in the following fields :

(a) Computer Aided Design

(b) Presentation Graphics

(c) Graphical User Interfaces. 4,4,5

SECTION-B

III. Explain the following w.r.t. AutoCAD :

(a) Editing commands

(b) Dimensioning 4,6

IV. (a) Explain line styles and fill styles available in C language for making images.

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[Turn over

- (b) Explain C functions for drawing Ellipse, Arc and Rectangle.
Give examples. 7,6

SECTION-C

- V. (a) Describe the basic components of a Multimedia System.
(b) Describe the various applications of Multimedia. 7,6
- VI. (a) Briefly describe the evolution of MPC.
(b) Describe the software platforms preferred for multimedia applications. 7,6

SECTION-D

- VII. (a) Describe various types of Images and Editing operations applicable on them.
(b) Write short note on Video Compression. 7,6
- VIII. (a) Describe the various color Models and Selection tools used in Photoshop.
(b) Write steps to create an animated ball using Macromedia Director. 7,6
- IX. Entire Question is compulsory. Write short answers :
- (1) What is Frame Buffer ?
 - (2) What is Video Card ?
 - (3) What is the function of Zoom in AutoCAD ?
 - (4) Describe the limitations of early PC as a Multimedia System.
 - (5) What is the role of Filters in Photoshop ?
 - (6) What is Stage in Macromedia Director ?
 - (7) What is Resolution ? 6×2+1