

(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
(2042)
E-COMMERCE
Paper : BCA-16-601

Time Allowed : Three Hours] [Maximum Marks : 65

Note :— Attempt **one** question each from the Units I, II, III and IV.
The question in Unit V is compulsory. All questions carry equal marks.

UNIT—I

1. What is Electronic Commerce ? What are the aims of E-commerce ? Discuss in detail the different types of E-commerce. 13
2. (a) Discuss the EDI message structure and EDI notification structure. 7
- (b) Discuss the benefits and challenges of EDI. 6

UNIT—II

3. What are the elements of a webpage ? Explain the step by step process of creating a website for a business. 13
4. Explain in detail the various online promotion tools and techniques. 13

UNIT—III

5. (a) Discuss electronic purses and their uses. 6
(b) Explain the working of electronic bill payment system. 7
6. What is Inter-bank clearing system ? Discuss the working of inter-bank clearing system. 13

UNIT—IV

7. Define Mobile Commerce. What are the benefits of mobile commerce ? Discuss in detail the mobile commerce framework. 13
8. What is a Cyber Crime ? What are the types of cyber-crimes ? Explain the salient provisions of the IT Act, 2000 to deal with different cyber-crimes in India. 13

UNIT—V

9. Write short notes on the following :
- (a) Challenges in E-commerce 5
(b) Website hosting considerations 4
(c) Search Engine Optimization. 4

(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
(2042)

APPLICATION DEVELOPMENT USING VB.NET

Paper : BCA-16-602

Time Allowed : Three Hours]

[Maximum Marks : 65

Note :— Attempt **five** questions in all, including question No. 1, which is compulsory, and selecting **one** question from each unit.

1. Attempt all the following :

- (a) What do you mean by hierarchy of operations ? 2
- (b) What is the purpose of common type system ? 2
- (c) What are the components of .NET framework ? 2
- (d) What is the difference between slider control and spin control ? 2
- (e) What is the difference between state and session ? 2
- (f) Distinguish between connected and disconnected models. 2
- (g) What is a provider class ? 1

UNIT—I

2. (a) What are the different components of .NET framework ?
Explain. 7
- (b) Discuss in detail the features of CLR. 6
3. Discuss the properties and uses of any five controls. 13

UNIT—II

4. What are the different components of development environment of VB.NET ? Explain the purpose of each component. 13
5. Define event driven programming. Write the procedure of adding events and writing code for the events. 13

UNIT—III

6. How state is managed in ASP.NET ? Explain. 13
7. (a) How session objects are used in ASP.NET ? Explain. 7
- (b) How cookies are used ? Explain. 6

UNIT—IV

8. (a) Explain the architecture of ADO.NET. 7
- (b) How provider class is used ? Explain. 6
9. Write short notes on the following :
 - (a) Data reader
 - (b) Data adaptor
 - (c) Data set. 13

(i) Printed Pages : 3 Roll No.

(ii) Questions : 9 Sub. Code :

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Exam. Code :

0	0	3	2
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Bachelor of Computer Applications 5th Semester
(2042)
COMPUTER GRAPHICS & MULTIMEDIA APPLICATIONS
Paper : BCA-16-603

Time Allowed : Three Hours] [Maximum Marks : 65

Note :— Attempt **one** question from each section and the entire compulsory question. All questions carry equal marks.

SECTION—A

1. (a) (i) Discuss the use of Computer Graphics in the field of Image Processing.
(ii) Explain the working of Video Controller.
- (b) Explain the working of Cathode Ray Tube. 7+6
2. (a) What is Raster Scan system ? How does it work ?
- (b) Explain the working of Dot-Matrix Printer and Drum Printer. 7+6

SECTION—B

3. (a) (i) Which are the common coordinate formats used in AutoCAD ?
(ii) What are the basic steps to be followed before setting up a drawing ?

- (b) How do you do the following in AutoCAD ?
 - (i) Clean Up the drawing
 - (ii) Calculate the area of the object 7+6
- 4. (a) Write Graphic commands in C language for the following using the proper syntax :
 - (i) Ellipse
 - (ii) Rectangle
 - (iii) Bar
 - (iv) Bar3d
 - (v) Drawpoly
 - (vi) Pieslice
 - (vii) Filloellipse
- (b) What are the different fill styles to fill the images ? 7+6

SECTION—C

- 5. (a) What is Multimedia ? What are the limitations of the early Personal Computer as a Multimedia System ?
- (b) What are authoring tools ? What methodologies do these tools adapt to assemble the media contents ? 7+6
- 6. (a) What are the applications of multimedia in the fields of Training and Education and real world ?
- (b) Give an example of any one Multimedia Application Development Commercial tool. Give its features. 7+6

SECTION—D

7. (a) What are Lossy and Lossless Image Compression ? Give any one algorithm of Image Compression.
- (b) Explain the Layers in Photoshop. 7+6
8. (a) What are the Hardware components of a Video System ?
- (b) Write short notes on :
- (i) Tools for making Cast members in Director
- (ii) Control Panel in Director 7+6

(Compulsory Question)

9. (1) How will you turn on Grid Mode in AutoCAD ?
- (2) What is RAID ?
- (3) Define RGB color system.
- (4) What is a workstation ?
- (5) What is mirror command in AutoCAD ?
- (6) What are the sources of images ?
- (7) What is Plug and Play ? 6×2+1