

No. of Printed Pages : 03

Roll No. ....

**F211**

**B.C.A. EXAMINATION, 2022**

(Sixth Semester)

(B. Scheme) (Main & Re-appear)

(BCA)

BCA302B

E-BUSINESS

*Time : 3 Hours]*

*[Maximum Marks : 75*

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Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

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**Note :** Attempt any *Five* questions. All questions carry equal marks.

### Unit I

1. (a) List some of the methods to promote business using Internet. 7  
(b) Write various legal aspects of e-Business. 8
2. What is e-Commerce ? What are various types of it ? Explain. 15

### Unit II

3. (a) With the help of a neat diagram, explain EDI-enabled procurement process. 7  
(b) What are various components of e-commerce ? Explain. 8
4. What is EDI ? What are its advantages in e-Business ? What are the technical challenges in its implementation ? 15

### Unit III

5. What is business process re-engineering (BPR) ? Why is it needed ? What are basics steps to do BPR ? 15

6. Is it always beneficial to change to EC ? How will you decide that you can switch to e-Commerce or not ? What will be the steps involved in switching to e-Commerce ? 15

### Unit IV

7. What is a Transaction ? How to make secure digital transactions ? Explain. 15
8. Write short notes on the following :
  - (a) Digital Signature
  - (b) Digital Cash. 15

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**F212**

**B.C.A. EXAMINATION, 2022**

(Sixth Semester)

(B Scheme) (Main & Re-appear)

(BCA)

BCA304B

JAVA PROGRAMMING

*Time : 3 Hours]*

*[Maximum Marks : 75*

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**Note :** Attempt any *Five* questions. All questions carry equal marks.

### Unit I

1. (a) List and explain the various operators available in Java. 5
- (b) What is a garbage collection ? How is it achieved in Java ? 5
- (c) What is java's magic ? Illustrate. 5
2. (a) Briefly illustrate history of java. 7
- (b) Write a program to sort an array of integers containing 10 elements. 8

### Unit II

3. (a) What are 'abstract class' and 'abstract method' in java ? Also write the significance these. 5
- (b) What is a static method ? How is it different from simple methods ? Describe with example. 5
- (c) How a method can return an object in Java ? Write an example. 5
4. (a) What are 'method overloading' and 'method overriding' concepts in java ? Explain with appropriate code in Java. 8

- (b) Does java support multiple inheritance ? If yes, how ? Explain with example. 7

### Unit III

5. Explain concept of inheritance with its types and applications. 15
6. What do you mean by Exception Handling ? List and explain the different components of it. 15

### Unit IV

7. What are applets ? Write step by step process to create and execute an applet in Java. Also write a sample applet that takes your name as input and gives hello message to you. 15
8. (a) What is HTML ? Write any ten tags in HTML with their usage. 8
- (b) Explain the Java Thread Model with neat diagram. 7

No. of Printed Pages : 03

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**F213**

**B.C.A. EXAMINATION, 2022**

(Sixth Semester)

(B Scheme) (Main & Re-appear)

BCA

BCA306B

SYSTEM ADMINISTRATION

*Time : 3 Hours]*

*[Maximum Marks : 75*

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Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

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**Note** : Attempt *Five* questions in all. All questions carry equal marks.

### **Unit I**

1. Define Operating System. Explain its various types. **15**
2. Explain history of UNIX operating system. Also compare UNIX and Windows operating system. **15**

### **Unit II**

3. Explain UNIX directory system. Write and explain various directory commands. **15**
4. Explain the following : **15**
  - (a) VI Text Editor
  - (b) File Handling in UNIX.

### **Unit III**

5. Explain various functional activities in UNIX system administration. How users are added and removed in UNIX. **15**

6. Explain the following : **15**
  - (a) Mounting and unmounting of File system in UNIX
  - (b) Remote Communication in UNIX.

### **Unit IV**

7. What is Shell Programming ? How a Shell Programme is executed in UNIX environment ? Explain with suitable example. **15**
8. What is DNS ? Explain its working. **15**