

No. of Printed Pages : 03

Roll No. 70

F-211

B.C.A. EXAMINATION, May 2017

(Sixth Semester)

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

(BCA)

BCA-302-B

E-BUSINESS

Time : 3 Hours]

[Maximum Marks : 75

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.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(3-34/5) M-F-211

P.T.O.

Unit I

- ✓ 1. What is Electronic Commerce ? Also discuss its process and types in detail. **15**
2. What are technological and legal aspects of e-Commerce ? Also explain challenges to e-Commerce in detail. **15**

Unit II

3. Discuss in detail EDI enabled procurement process and components of EDI system. **15**
4. Write short notes on the following : **7 each**
 - (a) EDI v/s Traditional Systems
 - (b) EDI Implementation issues.

Unit III

5. What do you mean by business process re-engineering (BPR) ? Discuss in detail its methodology. **15**
6. Discuss in detail planning method for change to EDI/EC with suitable examples. **15**

Unit IV

7. Write short notes on the following : **7 each**
 - (a) Digital Cash
 - (b) E-Wallet.
8. What is firewalls ? Also explain firewall security policies and emerging trends of e-Commerce in India. **15**

Unit IV

7. (a) What are Applets ? How are they different from other applications ? 9
(b) Write code for an applet that receives three numeric values as input from the user and then displays the largest of the three on the screen. 6
8. (a) What are the advantages of multithreading ? Explain. 5
(b) Describe the complete life-cycle of a thread. 10

F-212

B.C.A. EXAMINATION, Dec. 2017

(Sixth Semester)

(B. Scheme) (Re-appear Only)

(BCA)

BCA-304-B

JAVA PROGRAMMING

Time : 3 Hours]

[Maximum Marks : 75

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.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. (a) Briefly illustrate history of Java. Also write how Java is important for the Internet. 9
- (b) What is Java Virtual Machine ? Illustrate. 6
2. (a) What are static methods ? Also write the pros and cons of static methods. 5
- (b) What is Java Byte code ? Illustrate. 5
- (c) What are objects ? How they are created from a class ? 5

Unit II

3. (a) How can you create your own package in Java ? Also write, how can you access your package members ? 6
- (b) What is Inheritance ? Describe different forms of inheritance with examples. 9

4. (a) What is the significance of 'final' keyword available in Java ? 5
- (b) Compare and contrast method overloading and method overriding. 5
- (c) Briefly illustrate the concept of Polymorphism. 5

Unit III

5. (a) "One interface, multiple method" is a key tenet of Java. What features best exemplifies it ? Explain with suitable example. 10
- (b) Compare and contrast abstract classes and interface. 5
6. (a) What are Exception ? What are different types of exception ? Also write, how try-catch mechanism is different from method calling ? 10
- (b) Briefly describe the process of throwing exceptions. 5

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F-213

B.C.A. EXAMINATION, May 2017

(Sixth Semester)

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

(BCA)

BCA-306-B

SYSTEM ADMINISTRATION

Time : 3 Hours

[Maximum Marks : 75

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.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. (a) Explain the function of OS. 7
(b) Explain the architecture of UNIX with neat diagram. 8
2. (a) Explain the various types of kernels. 8
(b) List and explain different services provided by OS. 7

Unit II

3. (a) Explain Vi editor in detail. 8
(b) Explain with example various file handling commands. 7
4. (a) Write various user access and user ID commands with examples. 7
(b) Explain various process management and piping commands. 8

Unit III

5. What do you understand by System Administration ? Explain the functional activities of system administration in details. 15

6. (a) Write short note on process management and monitoring. 7
(b) What is the risk involved in retaining the default user name and Password. 8

Unit IV

7. (a) Write a shell program in UNIX to find the LCM of three numbers. 8
(b) Explain the WWW server under UNIX in detail. 7
8. (a) What is system programming ? Explain its evolution history in detail. 8
(b) Explain shell programming. Also, focus interactive shell scripts. 7