BCA 6th Semester Only Reappear
Examination, November-2023
OBJECT TECHNOLOGY AND
PROGRAMMING USING JAVA
Paper–BCA-307

Time allowed : 3 hours]   _[Maximum marks : 80_

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

Note : Attempt **five** questions. **Q. No. 1 is compulsory** Select **one** question from each unit

1. (a) What is Encapsulation ?
   (b) What is Polymorphism ?
   (c) What is input and output in java?
   (d) What is modifiers ?
   (e) What are the various type of exceptions in Java ?
   (f) What is CLASSPATH ?
   (g) What is The Finalize () Method ?
   (h) What is Method Overloading ?

Unit-I

2. (a) What is object oriented programming? How is it difffer from the procedure oriented programming?
   (b) Discuss various benefits of OOPs.

3. Explain:
   (i) Inheritance
   (ii) Method Overriding

Unit-II

4. (a) Explain various data types available in JAVA.

   (b) Explain :
   (i) Constructors
   (ii) Methods

5. (a) Describe various features of JAVA Language.

   (b) Explain :
   (i) Garbage Collection
   (ii) Abstract Class

Unit-III

6. (a) What is Exception? How to deal with exception? Explain.

   (b) What is Interface? How to Implement Interface? Explain

7. What do you mean by Package? How to access the content of package? Discuss the various level of access protection available for package.

Unit-IV

8. (a) What is multithreading? Explain inter-thread communication.

   (b) What is stream and stream class? How is the concept of stream used in JAVA ?

9. (a) What is JAVA thread model? Explain.

   (b) How does String class differ from the String Buffer class? Explain.

B.C.A. 6th Semester (Only Re-appear) Examination,

November–2023

ARTIFICIAL INTELLIGENCE

Paper–BCA–308

Time allowed : 3 hours]   [Maximum marks : 80

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

1.   Write short note on following :   16

  (i)   Importance of AI

  (ii)   Knowledge

  (iii) ROTE Learning

  (iv)   Expert System

Unit–I

2.   Define AI and AI techniques in detail.   16

3.   Explain the following :   16

  (i)   Hill Climbing Algorithim

  (ii)   Problem Reduction Algorithim

Unit–II

4. Define knowledge representation, explain the various approaches used in knowledge representation.   16

5. Describe Predicate Logic in A.I.   16

Unit–III

6. Give a complete discription about Natural Language Processing.   16

7. Describe the following :   16

    (i)   Learing by Problem Solving

    (ii) Explanation based Learning

Unit–IV

8. Explain in detail about Expert System.   16

9. Give a complete description about Export System Skills.   16

BCA 6th Semester Only Reappear
Examination, November-2023
INTRODUCTION TO .NET
Paper–BCA-309

Time allowed : 3 hours]   [Maximum marks : 80

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

Note : Attempt **five** questions. **Q. No. 1 is compulsory.** Select one question from each unit.

1.   (a)   What is managed code ?

      (b)   What are the major service provided by the CLR ?

      (c)   What is sealed class ?

      (d)   What is overriding ?

      (e)   What is methods ?

      (f)   What is function overloading ?

      (g)   What is default value ?

      (h)   What is metadata ?

Unit-I

2.   (a)   What are the building block off .NET framework? Explain.

      (b)   What are the features of .NET TECHNOLOGY? Explain.

3.   (a)   What is namespace? Explain with example.

      (b)   How is the web development evolving? Explain.

Unit-II

4. (a) Explain the concept of assembly and manifest in .NET.

   (b) What is the difference between Boxing and Unboxing? Explain with example.

5. What is data types? Explain different data types supported by C# language.

Unit-III

6. What are operators? Enumerate various operators supported by C# language with example.

7. (a) What is constructor? Explain Static and copy constructor with example.

   (b) Differentiate the following:

      (i) For the foreach

      (ii) break and continue

Unit-IV

8. (a) What is inheritance? What are the different form of inheritance? How is it implemented in C# ?

   (b) What is exception? How to handle exception in C# ?

9. (a) What is polymorphism? How early and late binding achieve d?

   (b) Explain:

      (i) Interface

      (ii) Sealed class and sealed method

B.C.A. 6th Semester (Only Re-appear) Examination, November–2023

E-COMMERCE

Paper–BCA–306

Time allowed : 3 hours]　　　　[Maximum marks : 80

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

1. Write short note on following :　　　　16

    (i)　Electronic Market

    (ii)　Industry Value Chain

    (iii)　Smart Card

    (iv)　EDI Security

Unit–I

2. Define Electronic Commerce. Explain its scope and Impact in detail.　　　　16

3. Explain the following :　　　　16

    (i)　Future of E-Commerce

    (ii)　Internet Commerce

Unit–II

4. Describe in detail about Porter's Value Chain Model.

16

5. Explain the following : 16

(i) Server Threats

(ii) Intellectual Property Threats

Unit–III

6. Give a Complete discription about Electronic Payment System. 16

7. Describe the following : 16

(i) Protecting Intellectual Property

(ii) Proletting the Commerce Server

Unit–IV

8. What do you understand Business to Business E-Commerce ? 16

9. Describe the following : 16

(i) EDI Communication

(ii) EDI Security