

OCT23-01-481
B. C. A. Semester-V (New Course) Examination
OCT-2023
BCA-501 JAVA PROGRAMMING

Total Marks : 70		Time : 2¹/₂ Hours
Que. 1(a)	Answer the Following	06
	1. Define the Byte code JVM	
	2. Give the difference between break and continue statement.	
	3. List Java features.	
Que. 1(b)	Attempt the following. (Any two)	12
	1. Explain the basis concepts of object oriented programming.	
	2. Explain the data types available in Java	
	3. Why is array? How declare and create an array in Java? Explain with syntax and example	
Que. 2(a)	Answer the followings.	05
	1. Write short on Constructors	
	2. Explain static data members in brief	
Que. 2(b)	Attempt the following. (Any two)	12
	1. Explain types in inheritance with example	
	2. Explain Method overloading with examples	
	3. What is abstract class? Write a program which explains the use of abstract class.	
Que. 3(a)	Attempt the following.	06
	1. What is Package? List java API packages.	
	2. How define an interface? Give Syntax	
	3. Write short notes on Thread Priorities.	
Que. 3(b)	Attempt the following. (Any two)	12
	1. Explain the process for creating and accessing user defined packages with example	
	2. Explain any six methods of string class with syntax and example.	
	3. Explain Life Cycle of Thread.	
Que. 4(a)	Answer the Followings	05
	1. What is applet? List types of Applet?	
	2. What is the use of finally statement?	
	3. How to pass parameters to an Applet?	
Que. 4(b)	Attempt the following. (Any two)	12
	1. What is Exception? Explain Exception Handling with syntax and example.	
	2. Explain Applet tag with all its attributes with example.	
	3. Explain any four methods of Graphics class with syntax and example.	

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B. C. A. Semester-V (New Course) Examination
OCT-2023
BCA-501 JAVA PROGRAMING

Total Marks : 70

Time : 2½ Hours

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	1. Define the Byte code JVM	
	2. Give the difference between break and continue statement.	
	3. List Java features.	
Que. 1(b)	Attempt the following. (Any two)	12
	1. Explain the basis concepts of object oriented programming.	
	2. Explain the data types available in Java	
	3. Why is array? How declare and create an array in Java? Explain with syntax and example	
Que. 2(a)	Answer the followings.	05
	1. Write short on Constructors	
	2. Explain static data members in brief	
Que. 2(b)	Attempt the following. (Any two)	12
	1. Explain types in inheritance with example	
	2. Explain Method overloading with examples	
	3. What is abstract class? Write a program which explains the use of abstract class.	
Que. 3(a)	Attempt the following.	06
	1. What is Package? List java API packages.	
	2. How define an interface? Give Syntax	
	3. Write short notes on Thread Priorities.	
Que. 3(b)	Attempt the following. (Any two)	12
	1. Explain the process for creating and accessing user defined packages with example	
	2. Explain any six methods of string class with syntax and example.	
	3. Explain Life Cycle of Thread.	
Que. 4(a)	Answer the Followings	05
	1. What is applet? List types of Applet?	
	2. What is the use of finally statement?	
	3. How to pass parameters to an Applet?	
Que. 4(b)	Attempt the following. (Any two)	12
	1. What is Exception? Explain Exception Handling with syntax and example.	
	2. Explain Applet tag with all its attributes with example.	
	3. Explain any four methods of Graphics class with syntax and example.	

OCT23-01-471
B. C. A. Semester-V (Old Course) Examination
OCT-2023
BCA-501 JAVA PROGRAMING

Total Marks : 70		Time : 2½ Hours
Que. 1(a)	Do as Directed 1. Define: Object 2. Define: Polymorphism 3. List out JDK Tools.	06
Que. 1(b)	Attempt the following. (Any two) 1. List Java Features and explain any two in detail 2. Explain Iteration Statements with example 3. Explain command line argument	12
Que. 2(a)	Do as directed 1. List Access Modifiers. 2. Define: Default Constructor. 3. Define: Final Method 4. Define: Finalizer method. 5. Define Method Overriding.	05
Que. 2(b)	Attempt the following. (Any two) 1. Explain the use of final and abstract keyword with suitable example 2. What is constructor? Explain constructor overloading with example. 3. Explain types of Inheritance with example.	12
Que. 3(a)	Do as directed 1. Define: Multithreading 2. List Java API Package. 3. Define Thread.	06
Que. 3(b)	Attempt the following. (Any two) 1. Explain Life cycle of Thread. 2. What is interface? How to implement interface in java? 3. What is Package? How to create our own Package?	12
Que. 4(a)	Answer the Followings 1. What is Local Applet and Remote Applet? 2. Define: Finally block. 3. _____ tag is used for passing parameter to an Applet. 4. Define Applet. 5. Applet Program is running using _____	05
Que. 4(b)	Attempt the following. (Any two) 1. Explain Applet life cycle in detail 2. Explain any Three methods of Graphics Class. 3. Describe suspend(), resume() and stop () methods.	12

OCT23-01-482
B. C. A. Semester-V (New Course) Examination
OCT-2023
BCA-502 .NET USING C#

Total Marks : 70		Time : 2½ Hours
Que. 1(a)	Answer the Following	06
	1. What is CTS?	
	2. Define : MSIL	
	3. What is JIT?	
Que. 1(b)	Attempt the following. (Any two)	12
	1. Explain .NET Framework Architecture 4.0	
	2. Explain CLR in Detail	
	3. Explain Delegates with an example	
Que. 2(a)	Answer the followings.	05
	1. List out default events for Button, Calendar, RadioButton, DropDownList and Textbox.	
	2. Explain MultiView Control	
	3. Explain Panel Control	
Que. 2(b)	Attempt the following. (Any two)	12
	1. Explain types of List Controls in details	
	2. What is Rich Control? Explain AdRotator control with suitable example in Details	
	3. Differentiate between Windows based and Web based application	
Que. 3(a)	Attempt the following.	06
	1. Explain Regular Expression Validator.	
	2. Explain Detail View Control	
	3. Explain SiteMap Control	
Que. 3(b)	Attempt the following. (Any two)	12
	1. What is Navigation Control? Explain TreeView Control	
	2. What is Validation? Explain Compaer Validatior and Summary Validatior with an Example	
	3. Explain Grid View Control with Example	
Que. 4(a)	Write Short note on	05
	1. Data Bindng	
	2. Differentiate Dataset and Data Reader	
Que. 4(b)	Attempt the following. (Any two)	12
	1. Explain Three-Tier architecture of ADO.NET	
	2. Explain Difference between ADO & ADO.NET	
	3. Explain Three tier architecture of web application	

OCT23-01-482
B. C. A. Semester-V (New Course) Examination
OCT-2023
BCA-502 .NET USING C#

Total Marks : 70		Time : 2½ Hours
Que. 1(a)	Answer the Following 1. What is CTS? 2. Define : MSIL 3. What is JIT?	06
Que. 1(b)	Attempt the following. (Any two) 1. Explain .NET Framework Architecture 4.0 2. Explain CLR in Detail 3. Explain Delegates with an example	12
Que. 2(a)	Answer the followings. 1. List out default events for Button, Calendar, RadioButton, DropDownList and Textbox. 2. Explain MultiView Control 3. Explain Panel Control	05
Que. 2(b)	Attempt the following. (Any two) 1. Explain types of List Controls in details 2. What is Rich Control? Explain AdRotator control with suitable example in Details 3. Differentiate between Windows based and Web based application	12
Que. 3(a)	Attempt the following. 1. Explain Regular Expression Validator. 2. Explain Detail View Control 3. Explain SiteMap Control	06
Que. 3(b)	Attempt the following. (Any two) 1. What is Navigation Control? Explain TreeView Control 2. What is Validation? Explain Compaer Validatior and Summary Validatior with an Example 3. Explain Grid View Control with Example	12
Que. 4(a)	Write Short note on 1. Data Bindng 2. Differentiate Dataset and Data Reader	05
Que. 4(b)	Attempt the following. (Any two) 1. Explain Three-Tier architecture of ADO.NET 2. Explain Difference between ADO & ADO.NET 3. Explain Three tier architecture of web application	12

OCT23-01-472
B. C. A. Semester-V (Old Course) Examination
OCT-2023
BCA-502 .NET FRAMEWORK USING C#

Total Marks : 70

Time : 2½ Hours

Que. 1(a)	Answer the Following	06
	1. Discuss The Feature of .NET	
	2. What is Delegate?	
	3. Explain CLR	
Que. 1(b)	Attempt the following. (Any two)	12
	1. Explain .Net Framework architecture	
	2. Discuss the Compilation and Execution process of .Net Program	
	3. Discuss Data Types in Detail	
Que. 2(a)	Answer the followings.	05
	1. Discuss IIS	
	2. Explain Virtual Directory	
Que. 2(b)	Attempt the following. (Any two)	12
	1. Discuss Web Server in detail	
	2. Differentiate Web-Based and Window-Based Application	
	3. What is Assembly? Explain in detail.	
Que. 3(a)	Attempt the following.	06
	1. Discuss Drop Down List Control	
	2. Explain Auto Post Back property.	
	3. Explain Global.asax file	
Que. 3(b)	Attempt the following. (Any two)	12
	1. Explain Application Life Cycle	
	2. Discuss Web.Config File	
	3. Explain Master page in detail	
Que. 4(a)	Write Short note on	05
	1. Explain ADO.Net	
	2. Discuss Difference between ADO and ADO.NET	
Que. 4(b)	Attempt the following. (Any two)	12
	1. Discuss; Data binding with its Type	
	2. Differentiate DATASET and DATAREADER	
	3. Explain Connection Object in detail.	

OCT23-01-483
B. C. A. Semester-V (New Course) Examination
OCT-2023
BCA-503 SOFTWARE ENGINEERING

Total Marks : 70		Time : 2½ Hours
Que. 1(a)	Answer the Following	06
	1. Define Software Cost	
	2. Define Maintainability	
	3. Explain Generality	
Que. 1(b)	Attempt the following. (Any two)	12
	1. Explain Software Applications	
	2. Explain Software Quality Factors.	
	3. Explain Incremental Model in detail	
Que. 2(a)	Do as Directed	05
	1. Explain Design Strategy	
	2. What is Termination Analysis?	
Que. 2(b)	Attempt any two	12
	1. Explain Software Requirement Specification	
	2. Explain Abstraction in detail	
	3. Explain Project Management Process.	
Que. 3(a)	Attempt the following.	06
	1. Define Programming Practice	
	2. What is Internal Documentation?	
	3. Define Testing Fundamentals.	
Que. 3(b)	Attempt Any two	12
	1. Explain Information Hiding	
	2. Explain Verification Metrics.	
	3. Explain Structural Testing	
Que. 4(a)	Write Short note on	05
	1. What is Quality?	
	2. What is LOC?	
	3. What is Risk?	
Que. 4(b)	Attempt Any two	12
	1. Explain Software Project Management.	
	2. Explain Reliability Metrics.	
	3. Explain SEI Capability Maturing Model.	
