**ISLAMIAH COLLEGE [AUTONOMOUS] VANIYAMBADI**

**U3CS4001** **APRIL 2015**

**JAVA PROGRAMMING**

TIME: 3 Hrs. MAX. MARKS: 75

**PART - A (10 X 2 = 20 MARKS)**
**Answer ALL the Questions**

1. What is a literal?
2. What is an array in Java?
3. Define constructor.
4. What do you mean by Inheritance?
5. What is an AWT? Give example.
6. Compare the Applet and Application.
7. What is a stream? Give example
8. What is random access file class?
9. Define the term 'JDBC'.
10. List out any two string class in Java.

**PART - B (5 X 5 = 25 MARKS)**

**Answer ALL the Questions**

11. (a) List out the different kinds of operators used in Java and Explain.

(OR)

(b) Explain various control statements available in Java.

12. (a) Explain about copy constructor.

(OR)

(b) Describe the general format of a class and its parts.

13. (a) Discuss the Event handling methods.

(OR)

(b) Write a note on Inner classes with example.

14. (a) How to creating and running threads in Java.

(OR)

(b) Explain the Input stream and output stream classes.

15. (a) write short notes on string buffer class.

(OR)

(b) Explain the Gregorian calendar class.

**PART - C (3 X 10 = 30 MARKS)**
**Answer any THREE Questions**

16. Describe the concept of method overloading with example program.
17. Discuss about access control modifiers.
18. Explain the applet life cycle.

19. Discuss about inter thread communication.

20. What are the features available in JDBC?

**ISLAMIAH COLLEGE [AUTONOMOUS] VANIYAMBADI**

**U3CS4001 APRIL 2015**

**JAVA PROGRAMMING**

TIME: 3 Hrs. MAX. MARKS: 75

**PART - A (10 X 2 = 20 MARKS)**
**Answer ALL the Questions**

1. Write about switch statement.
2. What is a recursion?
3. What is the use of finalize () method?
4. What is mean by "package" in java?
5. List out any two methods in applet.
6. What is the use of grid lay out.
7. Define thread.
8. What is dead lock?
9. What is the use of math class?
10. What are various methods available in string buffer class?

**PART - B (5 X 5 = 25 MARKS)**

**Answer ALL the Questions**

11. (a) Explain switch statement with a suitable example.

(OR)

(b) Describe the operators available with a suitable example.

12. (a) Explain the important of abstract class with an example.

(OR)

(b) Describe the features of Interfaces with example.

13. (a) Discuss about applet class.

(OR)

(b) Write a note on (i) Labels (ii) Button control

(iii) Checkbox control.

14. (a) How to setting the priority of a thread.

(OR)

(b) Explain the data output stream and Input stream classes.

15. (a) What are the various methods available in system class.

(OR)

(b) Explain about linked list class.

**PART - C (3 X 10 = 30 MARKS)**
**Answer any THREE Questions**

16. Discuss on the creation and usage of array with example.
17. Describe the concept of Inheritance mechanism with an example.
18. Detail about windows and frames with example.
19. Explain about random access file class.
20. What are the features available in string tokenizer class?

**ISLAMIAH COLLEGE [AUTONOMOUS], VANIYAMBADI**
**END SEMESTER EXAMINATIONS, NOVEMBER– 2016**

Time: 3 Hrs Max. Marks : 75

Subject: Java Programming Sub. Code : U3BC4001

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**PART – A (10 x 2 = 20 Marks)**

**Answer ALL Questions**

1. Define keywords.
2. What are Relational operators?
3. Define Objects.
4. Define the term inheritance
5. Write the importance of the paint() method.
6. What is an Event Handler?
7. What is the main use of the "finally block"?
8. What is Multithreading?
9. Define system class.
10. Define JDBC.

**PART – B (5 x 5 = 25 Marks)**

**Answer ALL Questions**

11. (a) Write short notes on Switch statement with syntax and example.

(Or)

(b) Explain two-dimensional array with an example.

12.(a) Explain the purpose of "import" statement with example.

(Or)

(b) Write short notes on Packages.

13. (a) Write the syntax of the Applet tags with a sample program

(Or)

(b) Develop an Applet to display a message "Good Morning" within a text field.

14. (a) Explain the different states in the Life cycle of a thread.

(Or)

(b) Explain Random Access File class.

15.(a) Explain the vector class with suitable example

(Or)

(b) Discuss about Math Class.

**PART – C (3 x 10 = 30Marks)**

**Answer any THREE Questions**

16. Explain the following :

(a) While and for loops

(b) if, if..else, if..else ladder

17. Explain in detail the concept of Interface. Write a Java Program to illustrate the use of Interface.

18. Explain the various Layout Manager in Java.

19. Write short notes on :

a) Synchronization b) Deadlock c) Input Stream and Output Stream Classes.

20. Explain the methods of Math and String Buffer Classes with examples.

**ISLAMIAH COLLEGE [AUTONOMOUS], VANIYAMBADI**
**END SEMESTER EXAMINATIONS, NOVEMBER– 2016**

Time: 3 Hrs Max. Marks : 75

Subject: **Java Programming**

Sub. Code : **U3CS4001 / U3SW4001**

**PART – A (10 x 2 = 20)**
**Answer ALL the Questions**

1. Define the term Identifiers.
2. What is an Array?
3. Define Class.
4. What is meant by method overriding?
5. What is an Applet?
6. What is Grid Layout?
7. What is an exception? Give an example.
8. What is Synchronization?
9. Name any two fundamental String classes
10. Expand the term JDBC.

**PART – B (5 x 5 = 25)**
**Answer ALL the Questions**

11. (a) Write short notes on looping statements in Java with syntax and example.

(OR)

(b) Write a Java Program to find area and perimeter of a circle.

12. (a) How is an Interface defined? Give brief notes on Interface with an example.

(OR)

(b) Write short notes on Inheritance.

13. (a) Explain the Life Cycle of an applet

(OR)

(b) Explain Flow Layout and Grid Layout.

14. (a) Explain Inter Thread Communication

(OR)

(b) Write notes on Stream Tokenizer Class.

15.(a) Give notes on "java. lang" package.

(OR)

(b) How will you Establish Connection in JDBC.

**PART – C (3 x 10 = 30)**
**Answer any THREE Questions**

16. Explain the control structures in Java with syntax and suitable examples.

17. Write short notes on the following:

(a) Polymorphism

(b) Interfaces

(c) Packages.

18. Explain how will you develop and execute a simple Applet.

19. Explain the concept of Exception Handling in Java with suitable illustrative programs.

20. Implement JDBC for creating, entering data into tables. And also write notes on JDBC.

**ISLAMIAH COLLEGE [AUTONOMOUS], VANIYAMBADI**
**END SEMESTER EXAMINATIONS, NOVEMBER– 2016**

Time: 3 Hrs Max. Marks : 75

Subject: Java Programming Sub. Code : U3BC4001

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**PART – A (10 x 2 = 20 Marks)**

**Answer ALL Questions**

1. Define keywords.
2. What are Relational operators?
3. Define Objects.
4. Define the term inheritance
5. Write the importance of the paint() method.
6. What is an Event Handler?
7. What is the main use of the "finally block"?
8. What is Multithreading?
9. Define system class.
10. Define JDBC.

**PART – B (5 x 5 = 25 Marks)**

**Answer ALL Questions**

11. (a) Write short notes on Switch statement with syntax and example.

(Or)

(b) Explain two-dimensional array with an example.

12.(a) Explain the purpose of "import" statement with example.

(Or)

(b) Write short notes on Packages.

13. (a) Write the syntax of the Applet tags with a sample program

(Or)

(b) Develop an Applet to display a message "Good Morning" within a text field.

14. (a) Explain the different states in the Life cycle of a thread.

(Or)

(b) Explain Random Access File class.

15.(a) Explain the vector class with suitable example

(Or)

(b) Discuss about Math Class.

**PART – C (3 x 10 = 30Marks)**

**Answer any THREE Questions**

16. Explain the following :

(a) While and for loops

(b) if, if..else, if..else ladder

17. Explain in detail the concept of Interface. Write a Java Program to illustrate the use of Interface.

18. Explain the various Layout Manager in Java.

19. Write short notes on :

a) Synchronization b) Deadlock c) Input Stream and Output Stream Classes.

20. Explain the methods of Math and String Buffer Classes with examples.

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**ISLAMIAH COLLEGE [AUTONOMOUS], VANIYAMBADI**
**END SEMESTER EXAMINATIONS, NOVEMBER– 2016**

Time: 3 Hrs Max. Marks : 75

Subject: **Java Programming**

Sub. Code : **U3CS4001 / U3SW4001**

**PART – A (10 x 2 = 20)**
**Answer ALL the Questions**

1. Define the term Identifiers.
2. What is an Array?
3. Define Class.
4. What is meant by method overriding?
5. What is an Applet?
6. What is Grid Layout?
7. What is an exception? Give an example.
8. What is Synchronization?
9. Name any two fundamental String classes
10. Expand the term JDBC.

**PART – B (5 x 5 = 25)**
**Answer ALL the Questions**

11. (a) Write short notes on looping statements in Java with syntax and example.

(OR)

(b) Write a Java Program to find area and perimeter of a circle.

12. (a) How is an Interface defined? Give brief notes on Interface with an example.

(OR)

(b) Write short notes on Inheritance.

13. (a) Explain the Life Cycle of an applet

(OR)

(b) Explain Flow Layout and Grid Layout.

14. (a) Explain Inter Thread Communication

(OR)

(b) Write notes on Stream Tokenizer Class.

15.(a) Give notes on "java. lang" package.

(OR)

(b) How will you Establish Connection in JDBC.

**PART – C (3 x 10 = 30)**
**Answer any THREE Questions**

16. Explain the control structures in Java with syntax and suitable examples.

17. Write short notes on the following:

(a) Polymorphism

(b) Interfaces

(c) Packages.

18. Explain how will you develop and execute a simple Applet.

19. Explain the concept of Exception Handling in Java with suitable illustrative programs.

20. Implement JDBC for creating, entering data into tabl
notes on JDBC.

| ISLAMIAH COLLEGE (AUTONOMOUS), VANIYAMBADI<br>END SEMESTER EXAMINATIONS | | |
|---|---|---|
| U0CS4001 | | APRIL/MAY-2017 |
| JAVA PROGRAMMING | | |
| Time: 3 Hrs | | Max.Marks:75 |

**PART - A (10 X 2 = 20)**
**Answer ALL the Questions**

1. What is JVM?
2. List the principles of OOPs.
3. What is the use of this keyword?
4. Define Constructor.
5. What is the method of overriding?
6. How a subclass call the constructor of the super class?
7. What are the types of exception?
8. What are the methods used in thread priorities?
9. Mention the methods for modifying a string.
10. Define serialization.

**PART – B (5 X 5 = 25)**
**Answer ALL the Questions**

11. (a) Explain various forms of if statement.
    (OR)
    (b) Write a java program to generate the following
    0
    1 2
    3 4 5
    6 7 8 9

12. (a) With an example explain method overloading.
    (OR)
    (b) Briefly explain Exception Handling in Java

13. (a) What is use of super keyword? Explain in brief.
    (OR)
    (b) Write in detail about importing packages.

14. (a) Give an example for multiple try classes.
    (OR)
    (b) Write a program to implement thread priorities.

15. (a) Write a program to list the contents of a directory.
    (OR)
    (b) Discuss in detail about byte streams.

**PART - C (3 X 10 = 30)**
**Answer any THREE Questions**

16. Explain the various data types used in java.
17. Discuss in detail about selection and iterative statements with examples.
18. With suitable example explain multilevel inheritance.
19. Discuss in detail about inter thread communication.
20. i) How do you pass arguments to applets?
    ii) Write short notes on life cycle of an applet.

| ISLAMIAH COLLEGE (AUTONOMOUS), VANIYAMBADI<br>END SEMESTER EXAMINATIONS | | |
|---|---|---|
| U0SW5002 | | APRIL/MAY-2017 |
| JAVA PROGRAMMING | | |
| Time: 3 Hrs | | Max.Marks:75 |

**PART - A (10 X 2 = 20)**
**Answer ALL the Questions**

1. Why java is important to internet?
2. What is a byte code?
3. List the bitwise operators used in java.
4. What is the use of static?
5. Enumerate the use of inheritance.
6. What is method overriding?
7. List the types of exception.
8. List the priorities of a thread.
9. Define serialization?
10. Write the skeleton for applet.

**PART – B (5 X 5 = 25)**
**Answer ALL the Questions**

11. (a) Explain the features of java.
    (OR)
    (b) Explain the various data types.

12. (a) With an example explain the application of constructors.
    (OR)
    (b) With suitable example explain overloading methods.

13. (a) Write down the differences between interface and class.
    (OR)
    (b) Discuss the order of calling constructors in inheritance.

14. (a) Give an example for exception handling.
    (OR)
    (b) Write short notes on inter thread communication.

15. (a) Discuss about input and output streams.
    (OR)
    (b) How do you pass parameters to applet? Give example.

**PART - C (3 X 10 = 30)**
**Answer any THREE Questions**

16. Explain the various data types and constants in java.

17. Design a class to represent a student. Include following members.
    Data members: Roll No., Name, Marks scored in 3 subjects,
    Methods : To assign initial values.
    To calculate the total and average marks.
    To display the name, roll no. and status as pass or fail.
    (To get a pass a student has to score 40 marks in all subjects)
    Write a program in java to implement the above.

18. With an example explain packages.

19. a) Discuss about throw and throws clause.
    b) Write short notes on multithreading.

20. Explain the following string functions.
    i) character extraction ii) modifying a string iii) string comparison

**ISLAMIAH COLLEGE [AUTONOMOUS], VANIYAMBADI**
**END SEMESTER EXAMINATIONS – APRIL / MAY - 2017**

**Time: 3 Hrs** **Max. Marks: 75**

**Subject: Programming in Java** **Sub. Code: U5CC4001**

**PART A (10X2 = 20)**
**Answer ALL the Questions**

1. List down the Java Tokens.
2. What is GUI?
3. List out the advantages of JAVA.
4. Define Classes and Objects.
5. Give the general syntax of 'if' statement.
6. What is the use of J Button in Java?
7. What is method overloading?
8. Mention the use of J List.
9. Expand the term RMI.
10. What are File Streams?

**PART B (5 X 5 = 25)**
**Answer ALL the Questions**

11 a) Compare and contrast Java with C and C++.
(OR)
b) Describe the different types of control structures in Java.

12 a) Write short notes on the following i) JVM ii) Polymorphism iii) Encapsulation
(OR)
b) Explain package with sample code.

13 a) List out some basic GUI components and explain its purpose.
(OR)
b) Explain the concept of Multithreading with example.

14 a) Write short notes on File Streams used for I/O.
(OR)
b) Define the concept of importing packages in Java.

15 a) Write in detail about JDBC.
OR)
b) Illustrate Java Beans.

**PART C (3 X 10 = 30)**
**Answer ALL the Questions**

16. Explain the Object oriented concepts in detail.
17. Discuss on the Inheritance mechanism with example.
18. Describe in detail about Exception Handling.
19. Write in detail about I/O Streams.
20. Illustrate Servlets with sample code.

ISLAMIAH COLLEGE [AUTONOMOUS], VANIYAMBADI UG

APRIL/MAY - 2017

Time :3 Hrs. Max. Marks : 75

Subject :PROGRAMMING IN JAVA (SEMESTER IV) Sub. Code :U5CC4001

Part – A Answer ALL the Questions (10 X 2 = 20 Marks)

1. List down the Java Tokens.

2. What is GUI?

3. List out the advantages of JAVA.

4. Define Classes and Objects.

5. Give the general syntax of 'if' statement.

6. What is the use of JButton in Java.

7. What is method overloading?

8. Mention the use of JList.

9. Expand the term RMI.

10. What are File Streams?

Part – B Answer ALL the Questions (5 X 5 = 25 Marks)

11 a) Compare and contrast Java with C and C++. (or)
b) Describe the different types of control structures in Java.

12 a) Write short notes on the following i) JVM ii) Polymorphism iii) Encapsulation (or)
b) Explain package with sample code.

13 a) List out some basic GUI components and explain its purpose. (or)
b) Explain the concept of Multithreading with example.

14 a) Write short notes on File Streams used for I/O. (or)
b)Define the concept of importing packages in Java.

15 a) Write in detail about JDBC. (or)
b) Illustrate Java Beans.

Part – C Answer any THREE Questions (3 X 10 = 30 Marks)

16. Explain the Object oriented concepts in detail.

17. Discuss on the Inheritance mechanism with example.

18. Describe in detail about Exception Handling.

19. Write in detail about I/O Streams.

20. Illustrate Servlets with sample code.

**ISLAMIAH COLLEGE [AUTONOMOUS] -VANIYAMBADI**
**END SEMESTER EXAMINATIONS, APRIL-2019**
**U5CC4001: Programming in Java**

**TIME: 3 Hrs** **MAX. 75 MARKS**

**Class:II B.Sc (CS,SW) & II B.C.A** **Semester IV**

**PART-A (10 X 2 = 20 MARKS)**
**Answer ALL Questions**

1. Write a program in Java to print the following pattern using *for* statement(s).
   1
   2 3
   4 5 6
   7 8 9 10
2. What is a String in Java? Name a few String methods.
3. What is the use of *this* keyword?
4. What is the use of *finalize*( ) method?
5. Name three subclasses of the Component class.
6. What is *Modal* and *Modeless* dialog?
7. What interface must an object implement before it can be written to a stream as an object?
8. What are the two important *TCP* Socket classes?
9. Define *stub* and *skeleton*.
10. What is the RMI Registry?

**PART-B (5 X 5 = 25 MARKS)**
**Answer ALL Questions**

11. (a). Give the general form of a method. Write any two advantages of using methods in a program.
    (Or)
    (b). Write instructions in java to read a two dimensional array of size r,c and print it.

12. (a) What is a package? Given an example and its advantages.
    (Or)
    (b)What are the steps involved in Applet development?

13. (a) How can you catch multiple exceptions?
    (Or)
    (b) Write a program to illustrate catch block searching pattern

14. (a) Write Java code to establish a connection between a Server and a client.
    (Or)
    (b). Give the difference between String, StringBuffer and StringBuilder?

15. (a) What is the difference between execute, executeQuery and executeUpdate?
    (Or)
    (b) What is difference between GenericServlet and HttpServlet?

**PART-C (3 X 10 = 30 MARKS)**
**Answer any THREE Questions**

16. Write a program using a *do ..while* loop to calculate and print the first 20 Fibonacci numbers
17. Explain the life cycle of an Applet.
18. Write a thread that that prints dots at random location on the screen.
19. What are the salient features of StringTokenizer class?
20. What are the steps involved to make work a RMI program?

**ISLAMIAH COLLEGE [AUTONOMOUS], VANIYAMBADI**
**END SEMESTER EXAMINATIONS – APRIL - 2019**

Time: 3 Hrs Max. Marks: 75

**Subject: Java Programming** **Subject Code: U3BC4001**

**PART - A (10 X 2 = 20)**
**Answer ALL the Questions**

1. Write any 2 features of OOP.
2. Define methods in Java.
3. What is Class?
4. Define package.
5. Expand the term AWT.
6. What is meant by exception handling?
7. What is a Stream?
8. What is the use of java language package?
9. Expand the terms JDBC and ODBC
10. Define the term: RMI.

**PART - B (5 X 5 = 25)**
**Answer ALL the Questions**

11. (a) Give brief notes on advantage of OOPs.

(Or)

(b) Write notes on looping statements in Java with syntax and example.

12. (a) Write notes on the concept of polymorphism.

(Or)

(b) Write a program in Java for implementing the single inheritance.

13. (a) Discuss about Events and Listeners.

(Or)

(b) Explain how do you create and run a thread.

14. (a) Discuss about Datainputstream and Dataoutputstream classes

(Or)

(b) Write notes on server socket classes.

15. (a) Write short notes on Java Beans.

(Or)

(b) Give brief notes on RMI.

**PART - C (3 X 10 = 30)**
**Answer any THREE Questions**

16. Explain conditional control statement with example programs.
17. Write a program Java to implement the concept of Interface.
18. Explain the following:
(a) JLabel (b) JTextField (c)JButton (d) JCheckBox
19. Explain in detail String Classes and StringBuffer Classes.
20. Explain the steps involved in creating RMI client and server classes.

**ISLAMIAH COLLEGE [AUTONOMOUS], VANIYAMBADI**
**END SEMESTER EXAMINATIONS, MAY - 2019**

Time: 3 Hrs Max. Marks : 75

**Subject: Java Programming**

**Subject Code: U3SW4001 / U3CS4001 / U0CS4001**

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**PART – A (10 X 2 = 20)**
**Answer ALL Questions**

1. What is JVM?
2. What is a constant?
3. Mention the use of finalize () method.
4. What is an inner class?
5. State the use of super keyword.
6. Define abstract class.
7. What is an exception?
8. State the use of threads.
9. List the constructors for string class.
10. What is a stream?

**PART – B (5 X 5 = 25)**
**Answer ALL Questions**

11. (a). Write a note on Lexical Issues

(Or)

(b). Why java is important to internet?

12. (a). Give an syntax of on constructors and explain it with examples

(Or)

(b). Write a program to overload the methods.

13. (a). Discuss about abstract classes with example

(Or)

(b). How do you import a package?

14. (a). Give a syntax of nested try statements with example

(Or)

(b). Discuss the methods of thread class.

15. (a). How do you read characters from console?

(Or)

(b). Discuss in detail about byte streams.

**PART – C (3 X 10 = 30)**
**Answer any THREE Questions**

16. What are the java buzzwords? Explain in detail.

17. Describe the Java's package in deal. Give example.

18. With an example explain interfaces.

19. Discuss in detail about inter thread communication.

20. Explain in detail about string buffer.

**ISLAMIAH COLLEGE [AUTONOMOUS] -VANIYAMBADI**

**DECEMBER 2020**

**TIME: 3 Hrs** **MAX. 75 MARKS**

**Class: II B.Sc (CS/SW)/ II B.C.A** **Semester IV**

**U5CS4001 / U5CC4001: PROGRAMMING IN JAVA**

**PART-A (10 X 2 = 20 MARKS)**

**Answer ALL Questions**

1. Write the expression in java. $\square = \frac{\square}{2\square}$
2. What is printed by the following code fragment?

```
int n = 2004;
int i = 0;
for (i = 0; n > 0; i++, n /= 10);
System.out.println(i);
```

3. Show the use of *super* keyword with an example.
4. What is the main difference between *abstract* method and *final* method?
5. What is an event and an event handler?
6. What is a *join*() method?
7. List a few String Class methods and its purpose.
8. What is StreamTokenizer class? What is its use?
9. What is SQL, DML and DDL?
10. What are Remote callbacks?

**PART-B (5 X 5 = 25 MARKS)**

**Answer ALL Questions**

11. (a). Write a java program that reads the radius of a sphere and computes its volume.

(Or)

(b). A bank collects an interest of 6% on loans given uptoRs. 5000, 8% for loans between Rs. 5001 and 10000, 10% for loans above Rs. 10000. Write a program to find the one year interest for a given amount.

12. (a) Explain static data members and static member functions with

(-Or)

(b) What is method overriding? How can we access an overridden method?

13. (a) How can you handle an exception?

(Or)

(b) Explain Java Exception Hierarchy?

14. (a) Explain the methods of Math Class with example.

(Or)

(b). What is Collection? What is a Collections Framework? What are the benefits of it?

15. (a) What is difference between GenericServlet and HttpServlet?

(Or)

(b) How do we call stored procedure using JDBC?

**PART-C (3 X 10 = 30 MARKS)**

**Answer any THREE Questions**

16. Write a program in java to arrange the values in an array in ascending order.
17. List and explain the methods of Graphics class for drawing various shapes.
18. Create four panels with some controls of different types in each panel.
19. Write a program to read the contents of a file, one character at a time and find the number of occurrences of vowels.
20. Create a dynamic web application project. Add a html file (index.html ) and add two servlets one to *addcookie* and another *getcookie*.

**ISLAMIAH COLLEGE [AUTONOMOUS], VANIYAMBADI**
**END SEMESTER EXAMINATIONS, JANUARY - 2021**

Time: 3 Hrs. Max: 75 Marks

**Subject: Programming in Java** **Sub. Code: U8CC4001**

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**PART-A (10 X 2 = 20)**
**Answer ALL the Questions**

1. How to write an infinite loop using (i) *for* statement (ii) *while* statement?
2. What is meant by method overloading?
3. What is *final* class and *final* method?
4. How an interface is defined? Give an example.
5. When to use *JOptionPane* in Swing?
6. What are thread priorities?
7. Name the filter streams available?
8. List any three unique features of Vector class.
9. What is MIME?
10. What are JAR files used for?

**PART-B (5 X 5 = 25)**
**Answer ALL the Questions**

11. a) Define a method *sumOfDigits*( ), to find sum of digits of a given number.

(OR)

b) Write a program in java to find the largest element in an array with n elements.

12. a) What differences are between *extends* and *implements*?

(OR)

b) Give the list of classes and interfaces in java.util packages.

13. a) List the various mouse events and listeners and explain.

(OR)

b) What is deadlock? What harmful effect does it have?

14. a) What is object Serialization and what is its use?

(OR)

b) Difference between TCP and UDP protocol?

15. a) How do we call stored procedure using JDBC?

(OR)

b) Create a simple Servlet.

**PART-C (3 X 10 = 30)**
**Answer any THREE Questions**

16. Name five important control statements in java with example for each.
17. Define class named Rectangle, such that it implements the interface shape2d and has the followingdescription: Data member: Length, Breadth and Methods: (a) Constructor (b) getArea(). Create an objectfor the class Rectangle and invoke the getArea().
18. Develop an applet that receives two integers and displays quotient and remainder.
19. Create a file with name, gender of ten employees and write a program to list only male employees.
20. Define Cookie Class. Write code and store and retrieve Cookies.

**ISLAMIAH COLLEGE [AUTONOMOUS], VANIYAMBADI**
**END SEMESTER EXAMINATIONS, FEBRUARY - 2022**

Time: 3 Hrs Max. Marks: 75

**Subject: Java Programming** **Subject Code: U3BC4001**

**PART - A (10 X 2 = 20)**
**Answer ALL the Questions**

1. Write any 2 features of OOP.
2. Define methods in Java.
3. What is Class?
4. Define package.
5. Expand the term AWT.
6. What is meant by exception handling?
7. What is a Stream?
8. What is the use of java language package?
9. Expand the terms JDBC and ODBC
10. Define the term: RMI.

**PART - B (5 X 5 = 25)**
**Answer ALL the Questions**

11. (a) Give brief notes on advantage of OOPs.

(Or)

(b) Write notes on looping statements in Java with syntax and example.

12. (a) Write notes on the concept of polymorphism.

(Or)

(b) Write a program in Java for implementing the single inheritance.

13. (a) Discuss about Events and Listeners.

(Or)

(b) Explain how do you create and run a thread.

14. (a) Discuss about Datainputstream and Dataoutputstream classes

(Or)

(b) Write notes on server socket classes.

15. (a) Write short notes on Java Beans.

(Or)

(b) Give brief notes on RMI.

**PART - C (3 X 10 = 30)**
**Answer any THREE Questions**

16. Explain conditional control statement with example programs.
17. Write a program Java to implement the concept of Interface.
18. Explain the following:
    (a) JLabel (b) JTextField (c)JButton (d) JCheckBox
19. Explain in detail String Classes and StringBuffer Classes.
20. Explain the steps involved in creating RMI client and server classes.

**ISLAMIAH COLLEGE [AUTONOMOUS], VANIYAMBADI**
**END SEMESTER EXAMINATIONS, JUNE - 2022**

Time: 3 Hrs Max. Marks: 75

**Subject: Programming in Java**
**Subject Code: UACC4001 / U8CC4001**

**PART - A (10 X 2 = 20)**
**Answer ALL the Questions**

1. Define OOP.
2. List any two advantages of Java.
3. What is polymorphism?
4. State any two applications of applets.
5. Explain abstract windowing toolkit.
6. What is Swing?
7. State the use of I/O Streams.
8. What is networking?
9. State the use of JDBC.
10. Define Java Beans.

**PART - B (5 X 5 = 25)**
**Answer ALL the Questions**

11. a) What is mean by OOP? Explain OOP Concepts?

    (Or)

    b) illustrate the Iteration Statements with example.

12. a) Create a java program to display "Hello! Java" using Class,Object and Method.

    (Or)

    b) What is an abstract class? Explain all the cases to implement abstract class.

13. a) Write short notes on AWT controls.

    (Or)

    b) List out the use of try, catch, statements with sample code.

14. a) What is the purpose of the File class?

    (Or)

    b) What is collection framework in Java?

15. a) Discuss the handling and selecting data from table.

    (Or)

    b) Explain servlets with sample code.

**PART - C (3 X 10 = 30)**
**Answer any THREE Questions**

16. What is an Operator? Explain type of operators in Java with suitable examples.
17. Recall Inheritance? Illustrate the types of inheritances.
18. Define Thread and Discuss the ways of creating multi-threaded program in Java.
19. Give an overview of java.util.package with suitable example.
20. Illustrate the JDBC architecture and its connectivity procedure in details.

**ISLAMIAH COLLEGE [AUTONOMOUS] -VANIYAMBADI**
**END SEMESTER EXAMINATIONS, MAY-2019**
**U5CC4001: Programming in Java**

**TIME: 3 Hrs** **MAX. 75 MARKS**

**Class:II B.Sc (CS,SW)** **Semester IV**

**PART-A (10 X 2 = 20 MARKS)**
**Answer ALL Questions**

1. How to write an infinite loop using (i) *for* statement (ii) *while* statement?
2. What is meant by method overloading?
3. What is *final* class and *final* method?
4. How an interface is defined? Give an example.
5. When to use *JOptionPane* in Swing?
6. What are thread priorities?
7. Name the filter streams available?
8. List any three unique features of Vector class.
9. What is MIME?
10. What are JAR files used for?

**PART-B (5 X 5 = 25 MARKS)**
**Answer ALL Questions**

11. Define a method *sumOfDigits*( ), to find sum of digits of a given number.

    (OR)

    Write a program in java to find the largest element in an array with n elements.

12. What differences are between *extends* and *implements*?

    (OR)

    Give the list of classes and interfaces in java.util packages.

13. List the various mouse events and listeners and explain.

    (OR)

    What is deadlock? What harmful effect does it have?

14. What is object Serialization and what is its use?

    (OR)

    Difference between TCP and UDP protocol?

15. How do we call stored procedure using JDBC?

    (OR)

    Create a simple Servlet.

**PART-C (3 X 10 = 30 MARKS)**
**Answer any THREE Questions**

16. Name five important control statements in java with example for each.
17. Define class named Rectangle, such that it implements the interface shape2d and has the followingdescription: Data member: Length, Breadth and Methods: (a) Constructor (b) getArea(). Create an objectfor the class Rectangle and invoke the getArea().
18. Develop an applet that receives two integers and displays quotient and remainder.
19. Create a file with name, gender of ten employees and write a program to list only male employees.
20. Define Cookie Class. Write code and store and retrieve Cookies.

**ISLAMIAH COLLEGE [AUTONOMOUS], VANIYAMBADI**
**END SEMESTER EXAMINATIONS, FEBRUARY - 2022**

Time: 3 Hrs Max. Marks: 75

**Subject: Programming in Java** **Subject Code: U8CC4001**

**PART-A(10 X 2 = 20)**
**Answer ALL the Questions**

1. Define Polymorphism.
2. Give the general syntax of 'Switch' statement.
3. What is Java Applet?
4. Define the term – Constructors.
5. Specify the use of *J* Label control.
6. What are Layout Managers?
7. Write the acronym for TCP.
8. What is I/O Stream?
9. Define Servlets.
10. What is RMI?

**PART-B(5 X 5 = 25)**
**Answer ALL the Questions**

11. (a)Discuss the various types of operators.

(Or)

(b) Explain the Control statements in Java.

12. (a) Discuss in detail about packages with example.

(Or)

(b) Write short notes on Classes and Objects.

13. (a) Explain the use of Border Layout with example.

(Or)

(b) Explain the concept of Multithreading.

14. (a) Illustrate Networking.

(Or)

(b) Explain the 'String 'Class in Java with examples.

15. (a) Explain Servlets.

(Or)

(b) Write short notes on Java Beans.

**PART-C(3 X 10 = 30)**
**Answer any THREE Questions**

16. Discuss Object oriented programming concept in detail.
17. Explain the importance of Constructor in Java.
18. Describe in detail about Exception Handling.
19. Explain the Applet life cycle with neat diagram.
20. Describe in detail about JDBC.