

Anjuman Islam Janjira Degree College of Science
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Class: -S.Y.B.Sc C.S	Subject: - Java Based Application Development
Semester:- III	Course code: -USCS305
Exam Event:- Additional Exam Summer 2024 (FH)	Marks: -75
Date: - 27/03/2024	Duration: - 02:30 Hours

- N.B. –**
- 1 – All questions are compulsory.**
 - 2 – All questions have internal choice.**
 - 3 – Figures to the right indicate full marks.**

Q1. Answer the following question (4 out of 6)

20

1. Explain Features of Java in detail.
2. Explain inheritance with their following program.
3. What is Polymorphism and mention there two types.
4. Write Differentiate between class and object.
5. Explain Keyword” throws”? with example.
6. Write a program on default constructor. which demonstrate the default constructor?

Q2. Answer the following question (4 out of 6)

20

1. Write a program that demonstrate the use of adapter class MouseAdapter and MouseMotionAdapter but defines only one method from each?
2. Explain List of event Listener interface.
3. Described the JDBC-ODBC bridge Driver.
4. Write a program to insert one record of information into the database table named (dept table) by accepting the details from the user; using statement object.
5. Explain the Classes and interfaces included in java.util package.
6. Explain the steps to be followed in java database table content.

Q3. Answer the following question. (4 out of 6)

20

1. Explain different phases of Servlet life cycle.
2. Discuss the difference between JSP and Servlets.
3. Explain JSON Syntax in detail.
4. What is HTTPServlet Protocols and methods.
5. What are two ways of writing Script lets? Explain with suitable example.
6. Explain the role of JSON object in detail.

Q4. Answer the following question. (5 out of 6)

15

1. What is the role of JSP?
2. Write a short note on callable statement.
3. What are the advantages and disadvantages of Model 2 Architecture?
4. What is collection framework.
5. Write a short on generic servlet classes.
6. Define Abstraction, Encapsulation.