R20

II B. TECH II SEMESTER REGULAR EXAMINATIONS, JULY - 2022
ADVANCED JAVA PROGRAMMING
(COMMON TO CSE AND INF)

Time: 3 hours   Max. Marks: 70

Note: Answer **ONE** question from each unit **(5 × 14 = 70 Marks)**
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UNIT-I

1. a) List and explain the legacy classes and interfaces and dictionaries. [7M]

   b) How to use dynamic array for storing the elements using Array List of collection frame work? Write the Java program and explain. [7M]

(OR)

2. a) Write a Java program to illustrate the concepts of Accessing a Collection via an Iterator, Using an Iterator. [7M]

   b) Show that HashSet doesn't allow duplicate elements. Explain the Constructors and methods of Java HashSet class. [7M]

UNIT-II

3. a) Write and explain the code for URLConnection in Java. [7M]

   b) Explain the implementation of JDBC statements and exceptions. [7M]

(OR)

4. a) Explain the basics of networking and explore the constructors and classes of java.net package. [7M]

   b) Write Java program to connect to data base and do some manipulations on it. [7M]

UNIT-III

5. a) Create a web page and show the usage of Lists, tables and images and explain. [7M]

   b) Explain the basic concepts of Java script and write the client side scripting for functions and event handling. [7M]

(OR)

6. a) What are the XML tags required? Explain their attributes and values with sample web page development. [7M]

   b) Illustrate the concepts of Cascading Style sheets, static and dynamic web pages through a program. [7M]

UNIT-IV

7. a) Explain the phases in the lifecycle of servlets. Explain with sample Java program. [7M]

   b) With a sample program explain the process of handling Http Request & Responses. [7M]

(OR)

8. a) Give examples of reading initialization parameters and servlets parameters with suitable program. [7M]

   b) Illustrate the deployment of servlets and servlet API. [7M]

UNIT-V

9. a) Give the anatomy of JSP page and its processing. How its handles the problems associated with Servlets. [7M]

   b) Write a program to create sign up, login, authentication, and record retrieval with JDBC and JSP. [7M]

(OR)

10. a) How to process directives and expressions with JSP? Explain with simple program. [7M]

    b) Illustrate through a program the concept of using Cookies and session for session tracking. [7M]

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