

- (b) What is the concept of JDBC ? Also write a program which retrieves name all the employees stored in the table 'employee' from the database 'COMPANY' in alphabetical order. 8

4. (a) Describe the process of creating a JAR file. Also write the significance of JAR files. 7

- (b) What are Java Beans ? Also explain the properties of Java Beans. 8

Unit III

5. (a) Compare and contrast GET and POST requests. 6
- (b) Explain the concept of Servlets. Also illustrate the life-cycle of a Servlets. 9

No. of Printed Pages : 06

Roll No.

18F119

B.Tech. EXAMINATION, 2024

(Sixth Semester)

(C Scheme) (Main & Re-appear)

(Common for all Branches)

CSE328C

ADVANCED JAVA

Time : 3 Hours]

[Maximum Marks : 75

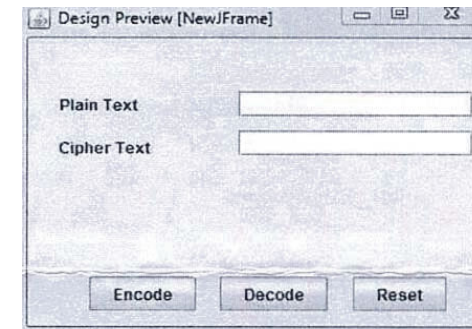
Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. (a) 'One interface, multiple methods' is a key tenet of Java. What features best exemplifies it ? Explain with suitable example. 7
- (b) List and explain the different types of streams supported in Java. Also write a program which copies the contents a file into another file using byte stream classes. 8
2. (a) Describe the life-cycle of Applets. 5
- (b) Design the following user interface using Swings. The 'Encode' button if pressed converts the plain text present in the corresponding text box into cipher text, similarly if 'Decode' button is pressed

then the Cipher text present in corresponding text box is converted back into the plain text. Similarly the 'Reset' button if pressed clears the contents of both text boxes. You can use any encoding/decoding algorithm of your choice. 10



Unit II

3. (a) What do you understand by scrollable and updateable result sets ? Explain with example. 7

(b) Describe the following JSP components

with suitable example : 9

(i) Scriptlets

(ii) Expression.

6. (a) Describe the concept of Cookies. What are the limitations of Cookies ? 6

(b) Explain with example, how parameters can be passed to Servlets ? Also explain how Servlets retrieve parameters ? 9

Unit IV

7. (a) What is the sequence of actions performed by the web server when a client sends a request to the web server for a JSP file ? 6

(b) Briefly explain the mechanism of session management in JSP. Also write how JSP deals with synchronization issues. 9

8. (a) List and explain the Implicit Objects used in JSP. 6