

Enrollment No: \_\_\_\_\_

Exam Seat No: \_\_\_\_\_

# C. U. SHAH UNIVERSITY

## Summer Examination-2022

**Subject Name : Advanced Java Technology**

**Subject Code : 4TE06AJT1**

**Branch: B.Tech (CE)**

**Semester: 6**

**Date: 04/05/2022**

**Time: 02:30 To 05:30**

**Marks: 70**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
  - (2) Instructions written on main answer book are strictly to be obeyed.
  - (3) Draw neat diagrams and figures (if necessary) at right places.
  - (4) Assume suitable data if needed.
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**Q-1                              Attempt the following questions:                              (14)**

- |    |                             |   |
|----|-----------------------------|---|
| a) | Write the full form of MVC  | 1 |
| b) | Write the full form of API  | 1 |
| c) | What is Class?              | 1 |
| d) | What is SERVLET?            | 1 |
| e) | Write the full form of AWT  | 1 |
| f) | What is SWING?              | 1 |
| g) | Write the full form of JDBC | 1 |
| h) | Write the full form of OOP  | 1 |
| i) | Write the full form of DOS  | 1 |
| j) | Write the full form of JSP  | 1 |
| k) | What is Inheritance?        | 1 |
| l) | Enlist Applet life cycle.   | 1 |
| m) | Write the full form of J2EE | 1 |
| n) | What is event?              | 1 |

**Attempt any four questions from Q-2 to Q-8**

Q-2                              Attempt all questions                              (14)  
    (A)                          Differentiate *AWT versus SWING*                              10  
    (B)                          Explain Mouse Listener with Example.                              04

Q-3                              Attempt all questions                              (14)  
    (A)                          What is MVC? Explain MVC in brief.                              7  
    (B)                          Enlist and Explain any one JDBC Driver in brief.                              7

Q-4                              Attempt all questions                              (14)  
    (A)                          Write a JAVA Program (Code) for creating menu bar using swing.                              7  
    (B)                          Write a JAVA Program (Code) for connecting database using JDBC.                              7



- Q-5 Write brief notes on: (14)  
 (A) AWT 7  
 (B) SWING 7
- Q-6 Attempt all questions (14)  
 (A) Explain Applet Life Cycle in brief.. 10  
 (B) Briefly explain following terms: 4  
 Encapsulation , Polymorphism
- Q-7 Attempt all questions (14)  
 (A) Explain a brief note on Inheritance with Example. 7  
 (B) Write a brief note on Java Foundation Class(JFC). 7
- Q-8 Attempt all questions (14)  
 (A) Write a JAVA Program (Code) to find out the area of circle. 7  
 (B) Write a JAVA Program (Code) to print the following pyramid. 7

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      1
     1 2
    1 2 3
   1 2 3 4
  
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