

15 MAR 2022

SVKM'S
Mithibai College of Arts, Chauhan Institute of Science &
Amrutben Jivanlal College of Commerce and Economics (Autonomous)
Academic Year (2021-22)

Class: SYBSC

Semester: IV

Max. Marks: 50

Program: Bachelor of Science

Subject: Computer Science

Course Name: Advanced Java

Time: 7:30 am to 9:15 am

Course Code: USMACS402

Date:

Duration: 1 hr. 45 minutes

REGULAR EXAMINATION

Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover of the Answer Book, which is provided for their use.

- 1) This question paper contains 2 pages.
- 2) Answer to each new question to be started on a fresh page.
- 3) Figures in brackets on the right-hand side indicate full marks.
- 4) Assume Suitable data if necessary

- Q1.** **Answer any 2 of the following** **[14]**
- A What are Panes in Swings? Why they are required? Explain any two types of Panes. 7
- B What is a Driver? Explain any two types of drivers in JDBC. 7
- C Write a JDBC program to search records from Employee table. 7
- Employee (eid, ename, date_of_joining, salary)
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- Q2.** **Answer any 2 of the following** **[14]**
- A Write a servlet program to enter username and password and greet the user if username is equal to password and respond with an appropriate message if wrong. 7
- B Define a servlet? Explain its life cycle methods. 7
- C What are different levels of scope in JSP? Explain with an example. 7
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- Q3.** **Answer any 2 of the following** **[14]**
- A Differentiate between JSON and XML. 7

- B Write a code snippet to encode and decode JSON. 7
- C What are interceptors in Struts2? What is the execution flow with respect to interceptor? 7

Q4. Answer any 4 of the following [08]

- A What is an expression tag? 2
- B Which statement in JDBC is used to operate on triggers and cursors? 2
- C What are the life cycle methods of JSP? 2
- D What are the transaction management methods in JDBC. 2
- E List the features of struts2. 2
- F Write the tags used in web.xml file of servlet. 2
