

SVKM'S
Mithibai College of Arts, Chauhan Institute of Science &
Amrutben Jivanlal College of Commerce and Economics (Autonomous)
Academic Year (2022-23)

Class: SYBSC Semester: IV

Program: B.Sc Computer Science

Max. Marks: 75

Course Name: Advanced Java

Time:

Course Code: USMACS402

Duration: 2 hrs 30 minutes

Date:

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 ATTEMPT ANY 3 FROM THE FOLLOWING:

[21]

A Write a swing snippet for generating the following.

7



B What is a Driver? Explain any two types of drivers in JDBC.

7

C Differentiate between AWT and Swing.

7

D Describe any 4 methods and any 3 fields used for navigation through database records using a resultset object.

7

Q2 ATTEMPT ANY 3 FROM THE FOLLOWING: [21]

- A** Define a servlet? Explain its life cycle methods. 7
- B** Explain forward and include actions in JSP with an example. 7
- C** Describe servletconfig interface in detail. 7
- D** Write a servlet code to show the use of request dispatcher, also write its web.xml. 7

Q3 ATTEMPT ANY 3 FROM THE FOLLOWING: [21]

- A** What is JSON? Differentiate between JSON and XML. 7
- B** What are interceptors in Struts2? What is the execution flow with respect to interceptor? 7
- C** Explain the components of struts framework. 7
- D** Write a program to depict MVC using struts2.(Just print your name with a welcome message). 7

Q4 ATTEMPT ANY 3 FROM THE FOLLOWING: [12]

- A** What is the use of BLOB and CLOB? 4
- B** State the three directive elements available in JSP. 4
- C** What is action entity in Struts2 framework? 4
- D** Write a code snippet to encode JSON object. 4
