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
Course Name: Advanced Java   Max. Marks: 75
Course Code: USMACS402   Time:
Date: Duration: 2 hrs 30 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 ATTEMPT ANY 3 FROM THE FOLLOWING: [21]

A   Write a swing snippet for generating the following.   7

Registration Form in Windows Form:

Name:
Email-ID:
Create Passowrd:
Confirm Password:
Country:
State:
Phone No:

Submit   Clear

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   7
     records using a resultset object.

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

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