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: 10:30 a.m to 1:00 p.m**
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   Explain any 7 Swing components.   **7**

   B   Write a JDBC program to search records from Student table.   **7**

           Student (sap_id, name,date_of_birth,city)

   C   What are Panes in Swings? Why they are required?   **7**

   D   What is Statement in JDBC? How it is different from Callable Statement.   **7**

Q2   ATTEMPT ANY 3 FROM THE FOLLOWING: **[21]**

   A   What is Deployment descriptor in servlet? Explain its structure.   **7**

   B   Write a program in JSP to create a cookie that keeps the count of number of times the   **7**

           page is visited.

   C   What is a JSP Implicit Object? Describe any 5 implicit JSP objects.   **7**

   D   What is session Management in servlet? Discuss any one method to manage session in   **7**

           servlets.

Q3   ATTEMPT ANY 3 FROM THE FOLLOWING: **[21]**

   A   Write a code snippet to encode and decode JSON.   **7**

B   What is MVC? Explain the core components of struts2 framework.   **7**

C   Describe struts.xml. Configuration file.   **7**

D   State the properties of JSON. Also compare JSON and XML.   **7**

Q4   ATTEMPT ANY 3 FROM THE FOLLOWING: **[12]**

A   Enlist the 4 types of drivers available in JDBC.   **4**

B   State any 4 functions of web container.   **4**

C   Write a short note on JDBC architecture.   **4**

D   How a struts 2 is different from struts 1?   **4**

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