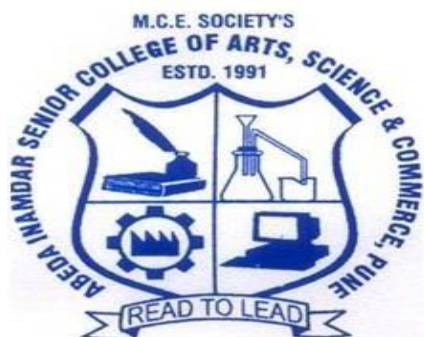


Abeda Inamdar Senior College

(Autonomous)



Booklet of Practical Skeleton Papers for

B.C.A (Science) 2021 Pattern

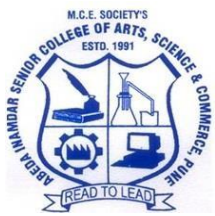
Credit System Syllabus

(From June-2021)

T.Y.B.C.A (Science)

SEMESTER–V

PAPER- 21SBCA354-LAB-I: Advanced Java



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

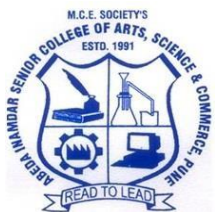
T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

Duration: 3hrs

Max Marks: 30

- A. Write a Java Program to create a Emp (ENo, EName, Sal) table and insert record into it [10]
- B. Write a JDBC program to update number_of_students of “BCA Science” to 1000. Create a table Course (Code,name, department,number_of_students) in PostgreSQL database. Insert values in the table [15]
- C. External Viva [5]



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

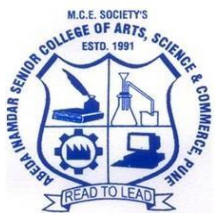
T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

Duration: 3hrs

Max Marks: 30

- A. Write a java program to count the number of records in a table. [10]
- B. Write a JSP program to perform Arithmetic operations such as Multiplication and Division. Design a HTML to accept two numbers in text box and radio buttons to display operations. On submit display result as per the selected operation on next page using JSP. [15]
- C. External Viva [5]



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

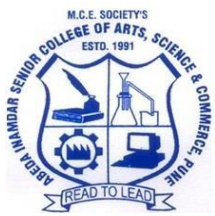
T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

Duration: 3hrs

Max Marks: 30

- A.** Write a Java program to accept the details of Student (RNo, SName, Per, Gender, Class) and store them into the database. **[10]**
- B.** Design a servlet to display message as “Welcome IP address of client” to visitor. **[15]**
- C.** External Viva **[5]**



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

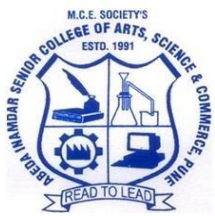
T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

Duration: 3hrs

Max Marks: 30

- A.** Write a JDBC program to delete the details of a given employee (ENo EName Salary). Take Eno from user **[10]**
- B.** Write a JSP program to display the details of College (CollegeID, Coll_Name, Address) in tabular form on browser. **[15]**
- C.** External Viva **[5]**



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

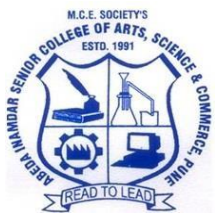
T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

Duration: 3hrs

Max Marks: 30

- A.** Write a java program to display a list of college names from the college table.
(Assume College table (CID, CName, addr) is already created. **[10]**
- B.** Write a JSP program to accept the details of Account (ANo, Type, Bal) and store it
into database and display it in tabular form. **[15]**
- C.** External Viva **[5]**



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

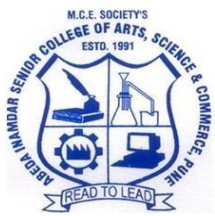
T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

Duration: 3hrs

Max Marks: 30

- A. Write a servlet program to display the current date and time of the server. [10]
- B. Write a program in JSP take empno name,DOB,BG from user and store in Database.
(create table as emp in postgres). [15]
- C. External Viva [5]



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

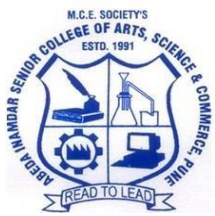
T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

Duration: 3hrs

Max Marks: 30

- A.** Write a JSP program to check whether a given number is Perfect or not. **[10]**
- B.** Write a program in JSP take rn,name & five subjects marks from user calculate percentage and display result in tabular form. **[15]**
- C.** External Viva **[5]**



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

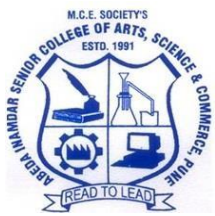
T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

Duration: 3hrs

Max Marks: 30

- A. Write a jsp program to Calculate Sum of First and Last no of digit and display result in red color. **[10]**
- B. Write a servlet with database program to take employee details from user eno,ename,birthdate,blood group and Store it in postgres.(Note: create table as an employee in postgres). **[15]**
- C. External Viva **[5]**



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

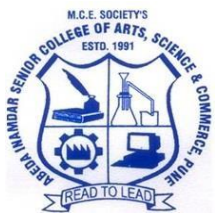
T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

Duration: 3hrs

Max Marks: 30

- A.** Write a SERVLET program that provides information about a HTTP request from a client, such as IP address and browser type. The servlet also provides information about the server on which the servlet is running, such as the operating system type, and the names of currently loaded servlets. **[10]**
- B.** Write a servlet to Take Employee username and password from User, If username and password is there in Database then Print login successfully else print Login failed.(Note: create table as an employee in postgres). **[15]**
- C.** External Viva **[5]**



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

S.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT2023

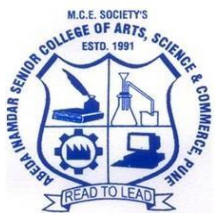
PAPER- 21SBCA241-LAB-I- Advanced JAVA Programming

(Semester-IV, 2021 pattern)Credits: 1.5

Duration: 3hrs

Max Marks: 30

-
- A.** Write a JSP program to accept Name and Age of Voter and check whether he is eligible for voting or not. **[10]**
- B.** Write a servlet program to accept Student rollno ,name and subject, create dropdown list of subjects and display the message “Subject Selected!”. **[15]**
- C.** External Viva **[5]**



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

S.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT2023

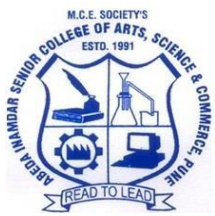
PAPER- 21SBCA241-LAB-I- Advanced JAVA Programming

(Semester-IV, 2021 pattern)Credits: 1.5

Duration: 3hrs

Max Marks: 30

-
- A.** Write a JSP script to accept username and password from user, if they are same then display “Login Successfully” message in Login.html file, otherwise display “Login Failed” Message in Error.html file **[10]**
- B.** Using socket programming create two way communication between Client and server, take integer number from client using Scanner class and check whether the number is even or odd . **[15]**
- C.** External Viva **[5]**



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

S.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT2023

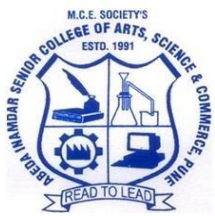
PAPER- 21SBCA241-LAB-I- Advanced JAVA Programming

(Semester-IV, 2021 pattern)Credits: 1.5

Duration: 3hrs

Max Marks: 30

-
- A.** Write a JSP program which accepts UserName in a TextBox and greets the user according to the time on the server machine. **[10]**
- B.** Create two way communication between server and socket, take user name from client and display client name. **[15]**
- C.** External Viva **[5]**



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

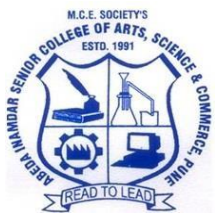
PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

(Semester-V, 2021 pattern)Credits: 1.5

Duration: 3hrs

Max Marks: 30

-
- A. Write a socket program take integer from client and displays its factorial on server. [10]
- B. Write a JSP program to perform Arithmetic operations such as Multiplication and Division. Design a HTML to accept two numbers in text box and radio buttons to display operations. On submit display result as per the selected operation on next page using JSP. [15]
- C. External Viva [5]



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

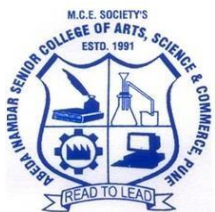
PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

(Semester-V, 2021 pattern)Credits: 1.5

Duration: 3hrs

Max Marks: 30

-
- A. Write a socket program take integer from client and displays its reverse on server. [10]
- B. Design a servlet to display message as “Welcome IP address of client” to visitor. [15]
- C. External Viva [5]



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

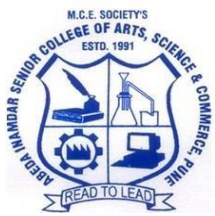
PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

(Semester-V, 2021 pattern)Credits: 1.5

Duration: 3hrs

Max Marks: 30

-
- A. Write a socket program take integer from client and display whether the number is Armstrong or not. [10]
- B. Write a JSP program to display the details of College (CollegeID, Coll_Name, Address) in tabular form on the browser. [15]
- C. External Viva [5]



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

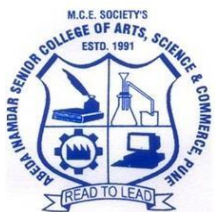
PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

(Semester-V, 2021 pattern)Credits: 1.5

Duration: 3hrs

Max Marks: 30

-
- A.** Write a Socket program to take integer from client and display whether it is palindrome or not. **[10]**
- B.** Write a JSP program to accept the details of Account (ANo, Type, Bal) and store it into database and display it in tabular form **[15]**
- C.** External Viva **[5]**



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

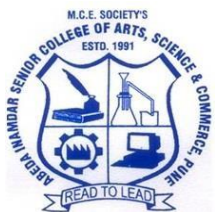
PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

(Semester-V, 2021 pattern)Credits: 1.5

Duration: 3hrs

Max Marks: 30

-
- A. Write a socket program to take Name from client and print greet message according to server time on server. [10]
- B. Write a program in JSP take empno,name,DOB,BG from user and store in Database.(create table as emp in postgres). [15]
- C. External Viva [5]



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

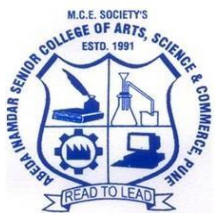
PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

(Semester-V, 2021 pattern)Credits: 1.5

Duration: 3hrs

Max Marks: 30

-
- A. Write a socket program to take two integer from client and display its addition on server. [10]
- B. Write a program in JSP take rn,name & five subjects marks from user calculate percentage and display result in tabular form. [15]
- C. External Viva [5]



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

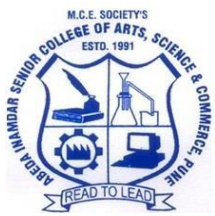
PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

(Semester-V, 2021 pattern)Credits: 1.5

Duration: 3hrs

Max Marks: 30

-
- A. Write a jsp program take input from user ,check whether the number is prime number or not. [10]
- B. Write a servlet with database program to take employee details from user eno,ename,birthdate,blood group and Store it in postgres.(Note: create table as an employee in postgres). [15]
- C. External Viva [5]



M.C.E. Society's

ABEDA INAMDAR SENIOR COLLEGE

Of Arts, Science and Commerce (Autonomous)

Affiliated to Savitribai Phule Pune University (formerly University of Pune)

T.Y.B.C.A. (SCIENCE) PRACTICAL EXAMINATION OCT 2023

PAPER- 21SBCA354-LAB-I- Advanced JAVA Programming

(Semester-V, 2021 pattern)Credits: 1.5

Duration: 3hrs

Max Marks: 30

-
- A.** Write a jsp program to take input from user and print sum of digits. The output must be in green colour. **[10]**
- B.** Write a JDBC program to update number_of_students of “BCA Science” to 1000. Create a table Course (Code,name, department,number_of_students) in PostgreSQL database. Insert values in the table **[15]**
- C.** External Viva **[5]**