No. of Printed Page : **1**

SET - 1

BACHELOR OF COMPUTER APPLICATIONS

Term-End Practical Examination

December, 2012   04755

BCSL-033 : DATA AND FILE STRUCTURES LAB

Time allowed : 1 hour   *Maximum Marks : 50*

Note : *Answer the following question.* **10** *marks are for* ***viva-voce.***

1. Write a Program in 'C' Language for the implementation of a Stack.   40

SET - 2

BACHELOR OF COMPUTER APPLICATIONS
Term-End Practical Examination
December, 2012   03925
BCSL-033 : DATA AND FILE STRUCTURES LAB

Time allowed : 1 hour   *Maximum Marks : 50*

Note :   *Answer the following question.* **10** *marks are for* ***viva - voce.***

1.   Write a Program in 'C' Language for the implementation of a Queue.   **4 0**

SET - 3

BACHELOR OF COMPUTER APPLICATIONS

Term-End Practical Examination

December, 2012

01305

BCSL-033 : DATA AND FILE STRUCTURES LAB

Time allowed : 1 hour   *Maximum Marks : 50*

Note :   *Answer the following question.* **10** *marks are for* **viva-voce.**

1. Write a Program in 'C' Language for the addition of two sparse matrices.   **40**

No. of Printed Page : 1   SET - 4

BACHELOR OF COMPUTER APPLICATIONS
Term-End Practical Examination
December, 2012   00525

BCSL-033 : DATA AND FILE STRUCTURES LAB

Time allowed : 1 hour   *Maximum Marks : 50*

Note :   *Answer the following question.* **10** *marks are for* **viva-voce.**

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1.   Write a Program in 'C' Language for the addition of two Polynomials.   **40**

No. of Printed Page : 1

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

June, 2013

01504

BCSL-033 : DATA AND FILE STRUCTURES LAB

Time allowed : 1 hour   Maximum Marks : 50

Note :   *Answer the following question.* **10** *marks are for* **viva-voce**.

1.   Write a program in 'C' language for the implementation of a Singly Linked List.   40

———

SET - 2

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

June, 2013

01896

BCSL-033 : DATA AND FILE STRUCTURES LAB

Time allowed : 1 hour   *Maximum Marks : 50*

Note :   *Answer the following question.* **10** *marks are for **viva-voce**.*

1. Write a program in C language for the implementation of Quick Sort without using recursion.   **40**

SET - 3

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

June, 2013

00193
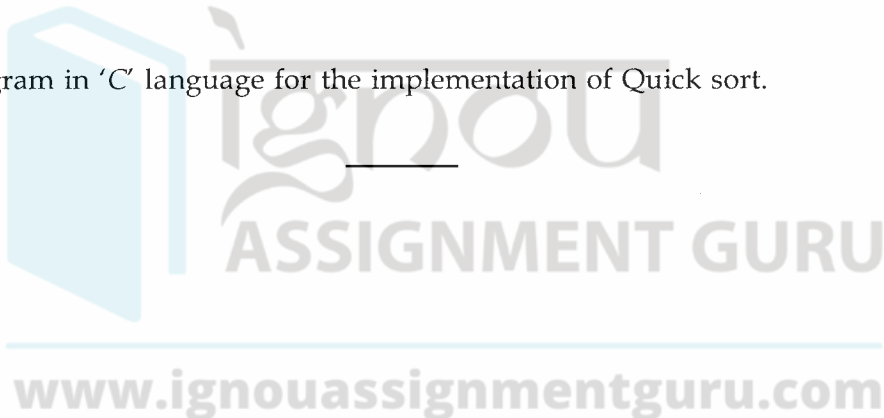
BCSL-033 : DATA AND FILE STRUCTURES LAB

Time allowed : 1 hour

Maximum Marks : 50

Note : *Answer the following question.* **10** *marks are for* ***viva-voce***.

1. Write a program in 'C' language for the implementation of Binary Search. **40**

No. of Printed Page : 1   SET - 4

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

June, 2013   00833

BCSL-033 : DATA AND FILE STRUCTURES LAB

Time allowed : 1 hour   Maximum Marks : 50

Note :   *Answer the following question.* **10** *marks are for* ***viva-voce****.*

1.   Write a program in 'C' language for the multiplication of two Sparse Matrices.   **40**

| SET - 1 |

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination   00491

December, 2013

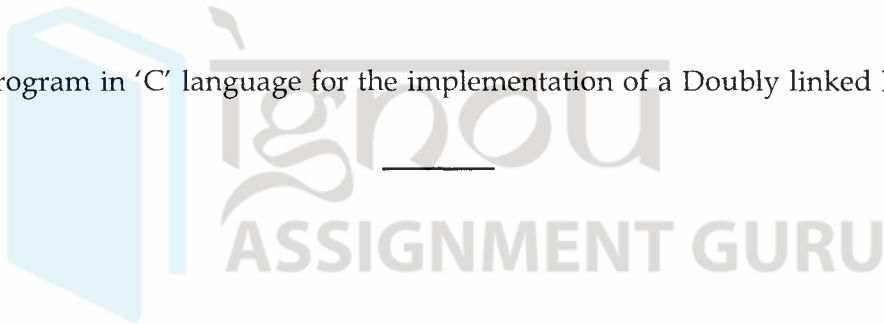### BCSL-033 : DATA AND FILE STRUCTURES LAB

Time allowed : 1 hour   *Maximum Marks : 50*

Note :   *Answer the following question.* **10** *marks are for* **viva-voce.**

1.   Write a program in 'C' language for the implementation of Quick sort.   **40**

SET - 2

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

December, 2013

00021

BCSL-033 : DATA AND FILE STRUCTURES LAB

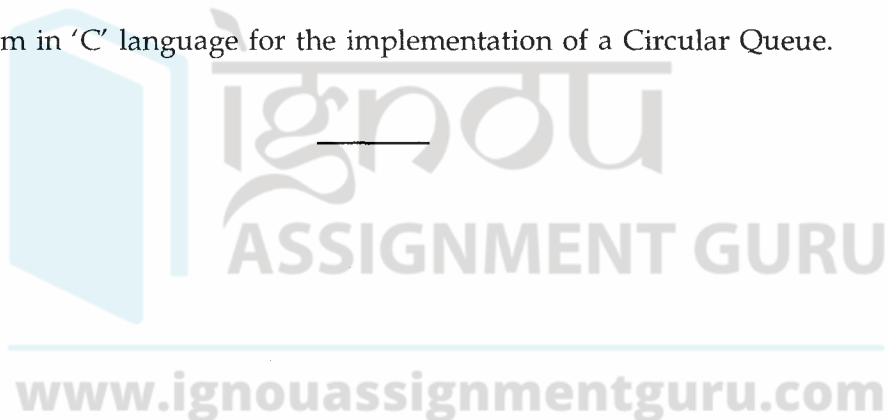*Time allowed : 1 hour*   *Maximum Marks : 50*

Note :   *Answer the following question.* **10** *marks are for* ***viva-voce***.

1.   Write a Program in 'C' language for the implementation of a Doubly linked list.   **40**

SET - 3

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

01804

December, 2013

BCSL-033 : DATA AND FILE STRUCTURES LAB
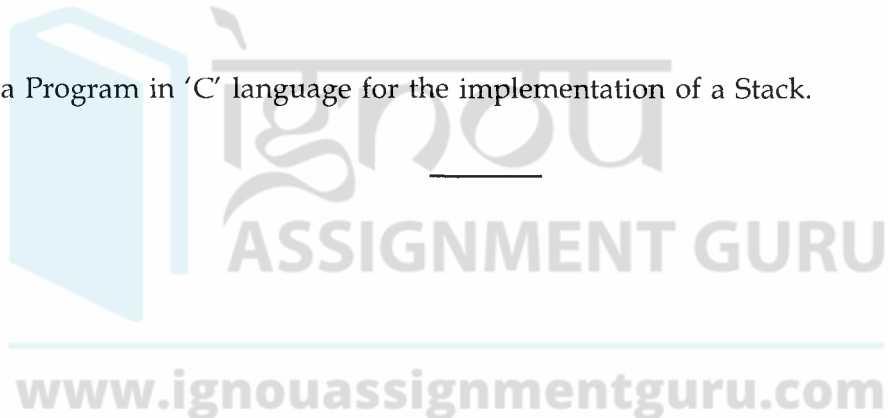
Time allowed : 1 hour   *Maximum Marks : 50*

Note :   *Answer the following question.* **10** *marks are for* **viva-voce.**

1.   Write a Program in 'C' language for the implementation of a Circular Queue.   **40**

No. of Printed Page : 1 SET - 4

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

December, 2013

BCSL-033 : DATA AND FILE STRUCTURES LAB

Time allowed : 1 hour   *Maximum Marks : 50*

Note :   *Answer the following question.* **10** *marks are for* **viva-voce**.

1.   Write a Program in 'C' language for the implementation of a Stack.   **40**

No. of Printed Page : **1**   SET - 1

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

June, 2014   02847

BCSL-033 : DATA AND FILE STRUCTURES LAB

Time allowed : 1 hour   *Maximum Marks : 50*

Note :   *Answer the following question.*   *10 marks are for* ***viva-voce.***

1.   Write a program in 'C' language for the implementation of Binary Search.   **40**

No. of Printed Page : 1   SET - 2

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

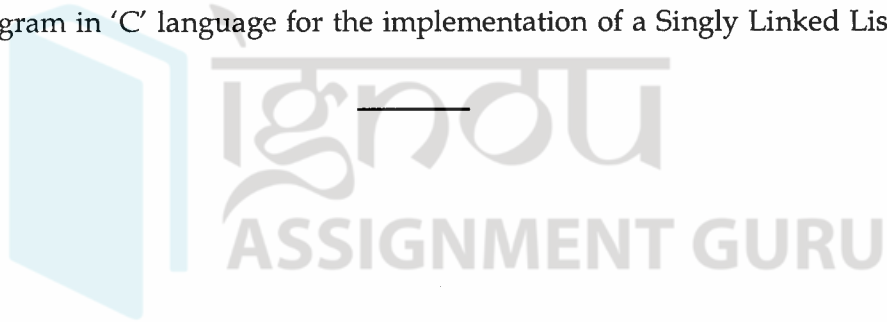### June, 2014   00534
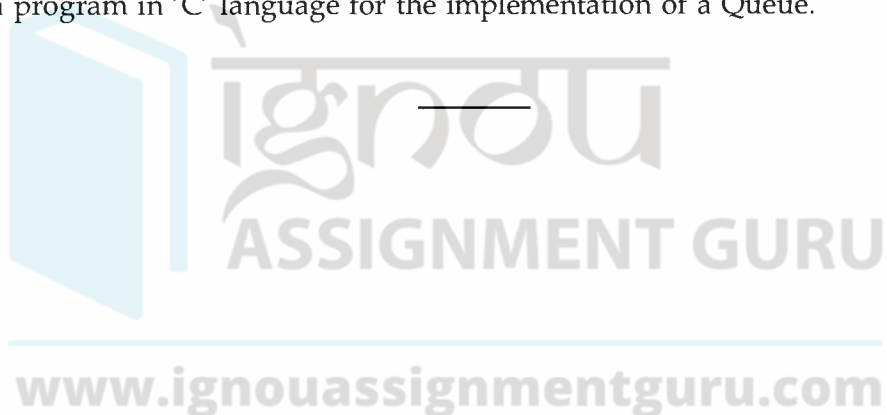
BCSL-033 : DATA AND FILE STRUCTURES LAB

Time allowed : 1 hour   *Maximum Marks : 50*

Note :   *Answer the following question.* **10** *marks are for **viva-voce**.*

1.   Write a program in 'C' language for the implementation of a Singly Linked List.   **40**

No. of Printed Page : **1**

SET - 3

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

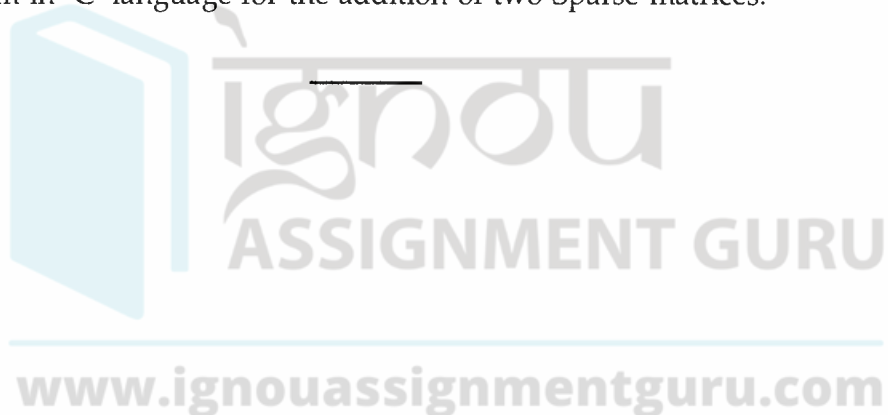## June, 2014

00734

BCSL-033 : DATA AND FILE STRUCTURES LAB

*Time allowed : **1** hour*   *Maximum Marks : **50***

*Note :   Answer the following question. **10** marks are for **viva-voce**.*

1.   Write a program in 'C' language for the implementation of a Queue.   **40**

No. of Printed Page : **1**　　　　　　　　　　　　　　　　　　| **SET - 4** |

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

June, 2014　　　　　　　00944

BCSL-033 : DATA AND FILE STRUCTURES LAB

*Time allowed : **1** hour*　　　　　　　　　　　*Maximum Marks : **50***

*Note :　Answer the following question.　**10** marks are for **viva-voce**.*

1.　Write a program in 'C' language for the addition of two Sparse matrices.　　　**40**

No. of Printed Pages : 1

BCSL-033(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
December, 2014

01854

BCSL-033(P)/S1 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note :   *(i)   Answer the following question.*

   (ii)   10 marks are for viva-voce.

1.   Write a program in 'C' language for the implementation of Linear Search.   *40*

BCSL-033(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
December, 2014

00354

BCSL-033(P)/S2 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note :   (i)   *Answer the following question.*

(ii)   *10 marks are for viva-voce.*

1.   Write a program in 'C' language for the implementation of a Doubly Linked List.   *40*

No. of Printed Pages : 1

BCSL-033(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
December, 2014

00454

BCSL-033(P)/S3 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note :   (i)   *Answer the following question.*

(ii)   *10 marks are for viva-voce.*

1.   Write a program in 'C' language for the implementation of a Stack.   *40*

No. of Printed Pages : 1

BCSL-033(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
December, 2014

00264

BCSL-033(P)/S4 : DATA AND FILE STRUCTURES LAB

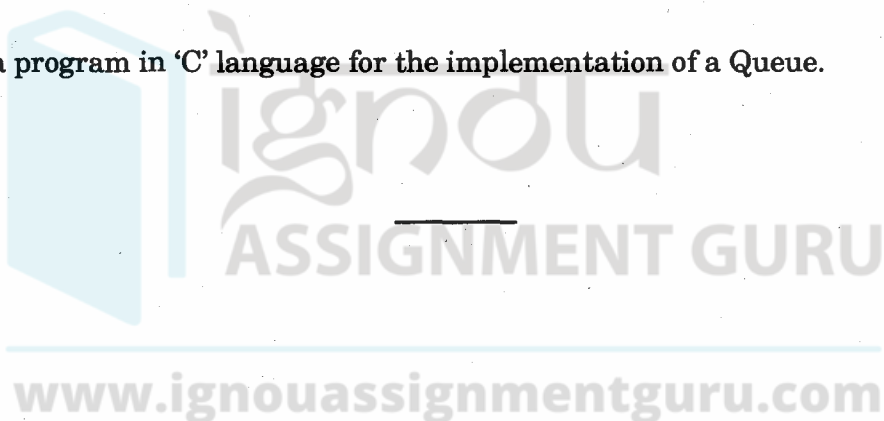*Time : 1 Hour*   *Maximum Marks : 50*

Note :   *(i)*   *Answer the following question.*

       (ii) *10 marks are for viva-voce.*

1. Write a program in 'C' language for the multiplication of two matrices.   *40*

BCSL-032(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)
Term-End Practical Examination
June, 2015

02983

BCSL-032(P)/S1 : C++ PROGRAMMING LAB

Time : 1 Hour   *Maximum Marks : 50*

Note :   *(i)*   *There is one **compulsory** question in this paper of 40 marks.*

           (ii)   *10 marks are for viva-voce.*

1. Write a C++ program to find the factorial of a given number. Define proper constructor and method in this program. *40*

BCSL-033(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised)

(BCA)

0104

Term-End Practical Examination

June, 2015
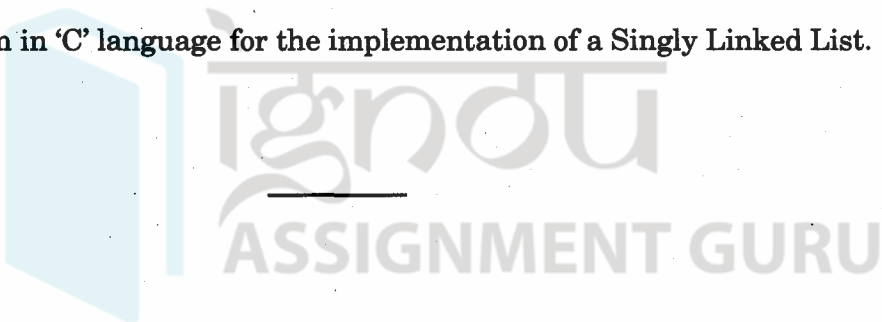
BCSL-033(P)/S2 : DATA AND FILE STRUCTURES LAB
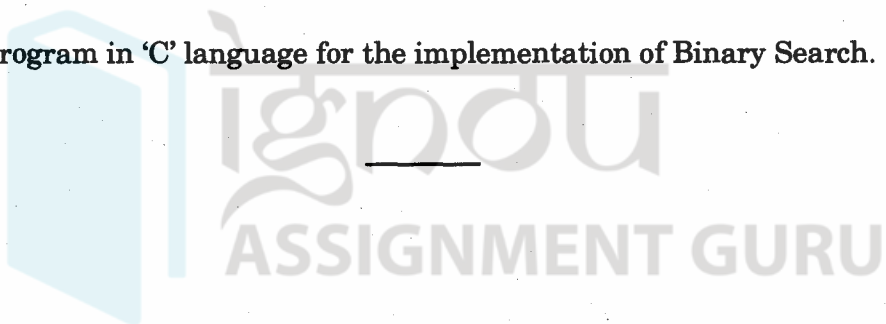
Time : 1 Hour   *Maximum Marks : 50*

Note :   (i)   *Answer the following question.*

(ii)   *Rest 10 marks are for viva-voce.*

1.   Write a program in 'C' language for the implementation of a Queue.   *40*

BCSL-033(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
June, 2015

00353

BCSL-033(P)/S3 : DATA AND FILE STRUCTURES LAB

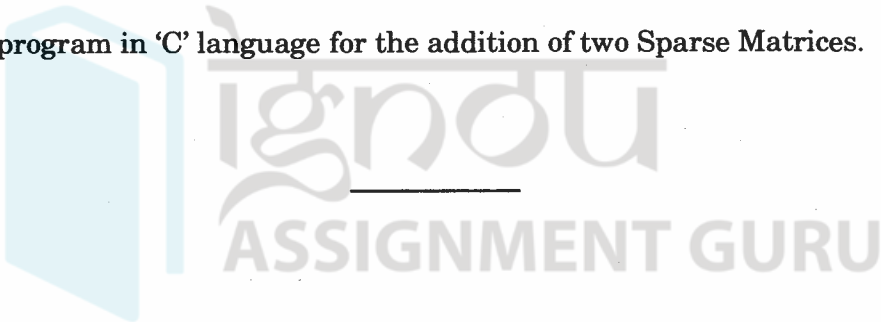*Time : 1 Hour*   *Maximum Marks : 50*

Note :   *(i)   Answer the following question.*

(ii)   Rest 10 marks are for viva-voce.

1.   Write a program in 'C' language for the implementation of a Singly Linked List.   *40*

BCSL-033(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised)

(BCA)

00173

Term-End Practical Examination

June, 2015

BCSL-033(P)/S4 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note :   *(i)*   *Answer the following question.*

         (ii)   *Rest 10 marks are for viva-voce.*

1. Write a program in 'C' language for the implementation of Binary Search.   *40*

No. of Printed Pages : 1

BCSL-033(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination

03834

December, 2015

BCSL-033(P)/S1 : DATA AND FILE STRUCTURES LAB

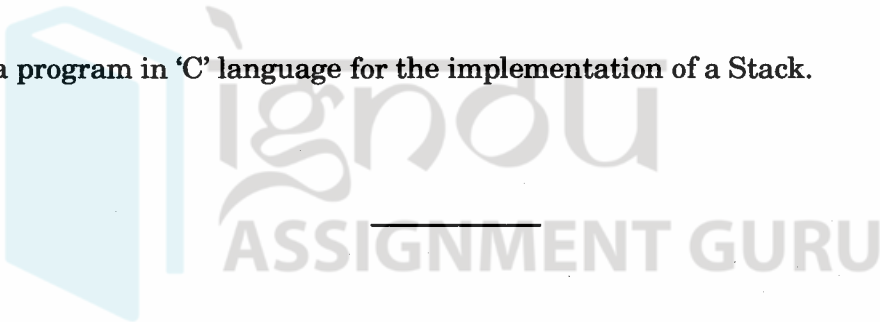*Time : 1 Hour*   *Maximum Marks : 50*

Note :   (i)   *Answer the following question.*

(ii) *Rest 10 marks are for viva-voce.*

1.   Write a program in 'C' language for the addition of two Sparse Matrices.   *40*

No. of Printed Pages : 1

BCSL-033(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
December, 2015

00469

BCSL-033(P)/S2 : DATA AND FILE STRUCTURES LAB

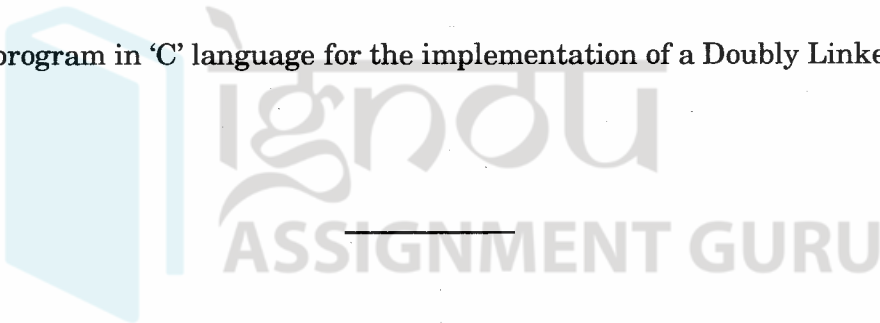*Time : 1 Hour*   *Maximum Marks : 50*

Note :   *(i)*   *Answer the following question.*

   (ii)   *Rest 10 marks are for viva-voce.*

1.   Write a program in 'C' language for the implementation of a Stack.   *40*

No. of Printed Pages : 1

BCSL-033(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
December, 2015
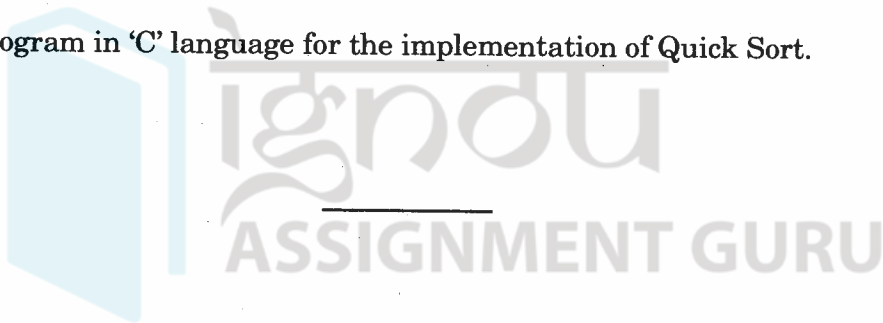
00708

BCSL-033(P)/S3 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note :   *(i)   Answer the following question.*

(ii)   Rest 10 marks are for viva-voce.

1.   Write a program in 'C' language for the implementation of a Doubly Linked List.   *40*

No. of Printed Pages : 1

BCSL-033(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
December, 2015

000828

BCSL-033(P)/S4 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note :   *(i)*   *Answer the following question.*

   (ii)   *Rest 10 marks are for viva-voce.*

1.   Write a program in 'C' language for the implementation of Quick Sort.   *40*

BCSL-033 - Set - 1

BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)

Term-End Examination 00498

June, 2016

BCSL-033 - Set - 1 : DATA AND FILE STRUCTURES LAB

*Time : **1** hour*   *Maximum Marks : 50*

Note :   *(i)*   *Answer the following question.*

      (ii)   *Rest **10** Marks are for **Viva - Voce**.*

1.   Write a Program in 'C' Language for the multiplication of two Sparse Matrices.   **40**

BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)

Term-End Examination   00258

June, 2016

BCSL-033 - Set - 2 : DATA AND FILE STRUCTURES LAB

Time : 1 hour   *Maximum Marks : 50*

Note :   *(i)*   *Answer the following question.*

   (ii)   *Rest 10 Marks are for Viva - Voce.*

1.   Write a Program in 'C' Language for the implementation of a Deque.   **40**

_____

BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)

Term-End Examination

00688

June, 2016

BCSL-033 - Set - 3 : DATA AND FILE STRUCTURES LAB

Time : 1 hour   *Maximum Marks : 50*

Note : *(i)* *Answer the following question.*

   (ii) *Rest 10 Marks are for Viva - Voce.*

1. Write a Program in 'C' Language for the implementation of a Singly Linked List.   40

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No. of Printed Pages : 1 | BCSL-033 - Set - 4

BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)

Term-End Examination   00898

June, 2016

BCSL-033 - Set - 4 : DATA AND FILE STRUCTURES LAB

Time : 1 hour   *Maximum Marks : 50*

Note :   (i)   *Answer the following question.*

(ii)   *Rest 10 Marks are for Viva - Voce.*

1.   Write a Program in 'C' Language for the implementation of Bubble Sort.   **40**

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
December, 2016

BCSL-033(P)/S1 : DATA AND FILE STRUCTURES LAB

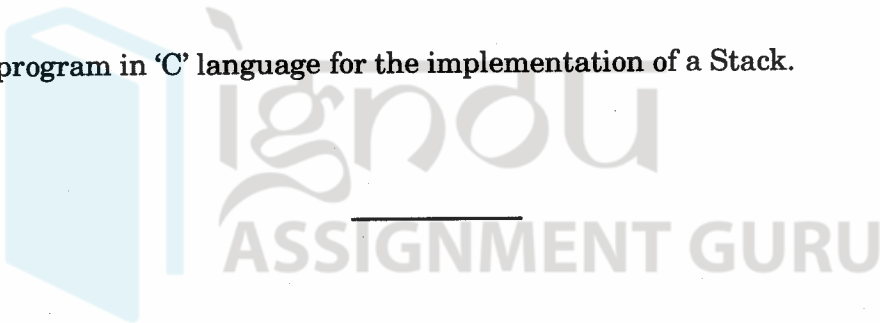*Time : 1 Hour*   *Maximum Marks : 50*

Note :   *(i)*   *Answer the following question.*

          (ii) *Rest 10 marks are for viva-voce.*

1.   Write a program in 'C' language for the implementation of Circularly Doubly Linked List.   *40*

BCSL-033(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
December, 2016

01383

BCSL-033(P)/S2 : DATA AND FILE STRUCTURES LAB
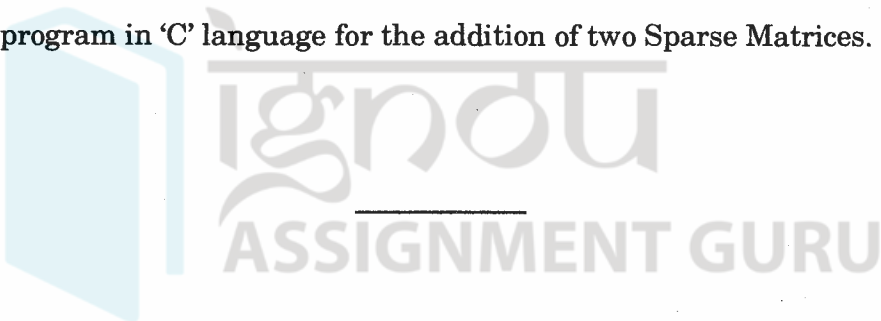
Time : 1 Hour *Maximum Marks : 50*

Note : (i) *Answer the following question.*

(ii) *Rest 10 marks are for viva-voce.*

1. Write a program in 'C' language for the implementation of a Stack. *40*

BCSL-033(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
December, 2016

01993

BCSL-033(P)/S3 : DATA AND FILE STRUCTURES LAB

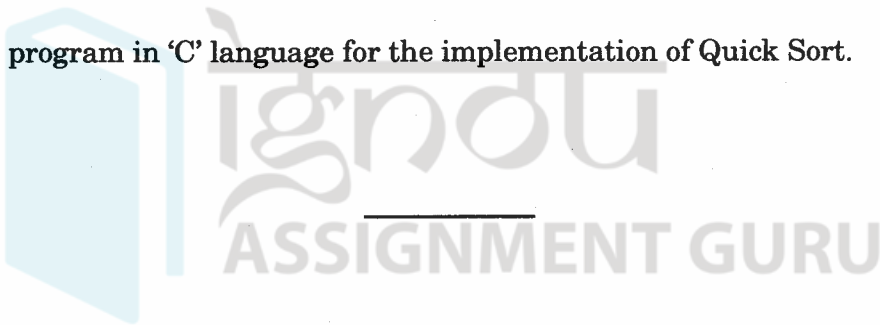*Time : 1 Hour*   *Maximum Marks : 50*

Note :   *(i)*   *Answer the following question.*

   (ii)   *Rest 10 marks are for viva-voce.*

1.   Write a program in 'C' language for the addition of two Sparse Matrices.   *40*

No. of Printed Pages : 1

BCSL-033(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
December, 2016

00323

BCSL-033(P)/S4 : DATA AND FILE STRUCTURES LAB

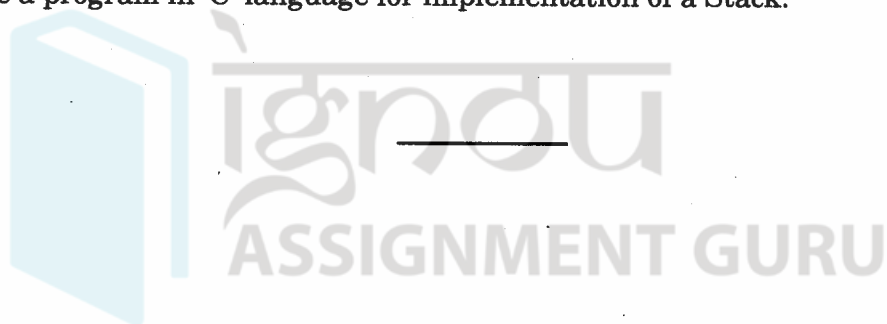*Time : 1 Hour*   *Maximum Marks : 50*

Note :   (i)   *Answer the following question.*

(ii)   *Rest 10 marks are for viva-voce.*

1.   Write a program in 'C' language for the implementation of Quick Sort.   *40*

BCSL-033(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

01735

Term-End Practical Examination

June, 2017

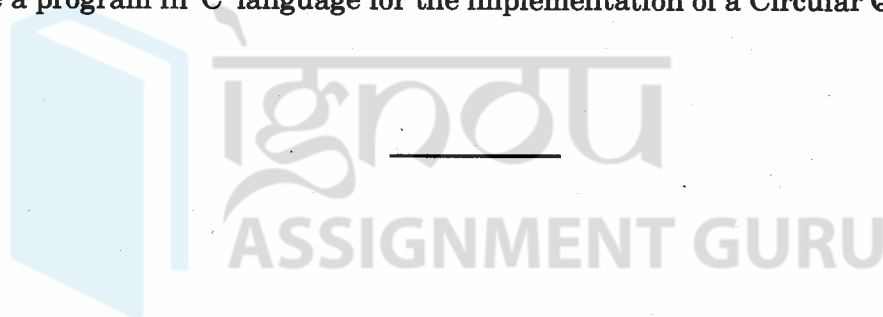### BCSL-033(P)/S1 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note :   *Answer the following question.* ***10*** *marks are for viva-voce.*

1.   Write a program in 'C' language for implementation of a Stack.   *40*

No. of Printed Pages : 1

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
June, 2017

00688

BCSL-033(P)/S2 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note :   *Answer the following question.* **10 marks are for viva-voce.**

1.   Write a program in 'C' language for the implementation of a Circular Queue.   *40*

No. of Printed Pages : 1

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
June, 2017

00399

BCSL-033(P)/S3 : DATA AND FILE STRUCTURES LAB
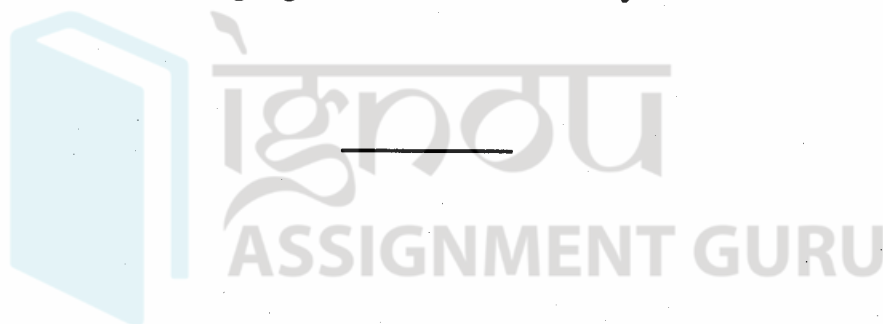
Time : 1 Hour   *Maximum Marks : 50*

Note : *Answer the following question. **10** marks are for viva-voce.*

1. Write a program in 'C' language for the creation of a Binary Tree.   *40*

No. of Printed Pages : 1

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
June, 2017

00256

BCSL-033(P)/S4 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note : *Answer the following question.* **10** *marks are for viva-voce.*

1. Write a program in 'C' language for addition of two Polynomials.   *40*

No. of Printed Pages : 1 | BCSL-033(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
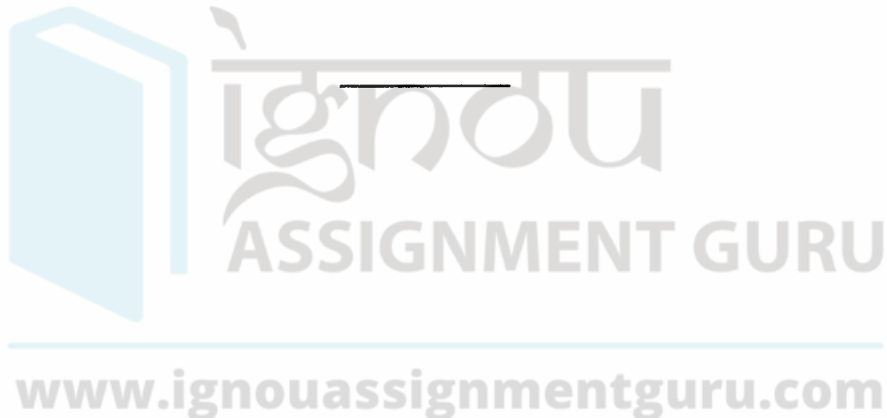### Term-End Practical Examination
December, 2017

03302

BCSL-033(P)/S1 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour | *Maximum Marks : 50*

Note : *Answer the following question. Rest 10 marks are for viva-voce.*

1. Write a program in 'C' language for the implementation of a Singly Linked List. *40*

BCSL-033(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
December, 2017

01982

BCSL-033(P)/S2 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note :   *Answer the following question. Rest 10 marks are for viva-voce.*

1.   Write a program in 'C' language for the implementation of a Dequeue.   *40*

No. of Printed Pages : 1

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

01842

December, 2017

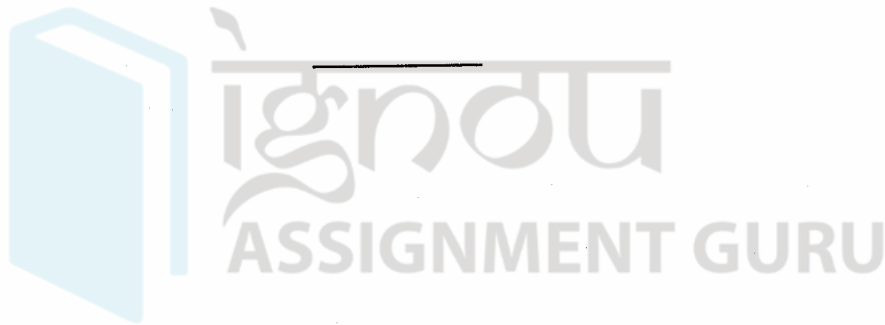### BCSL-033(P)/S3 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note :   *Answer the following question. Rest 10 marks are for viva-voce.*

1.   Write a program in 'C' language for the multiplication of two sparse matrices.   *40*

BCSL-033(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised)

(BCA)

Term-End Practical Examination

December, 2017

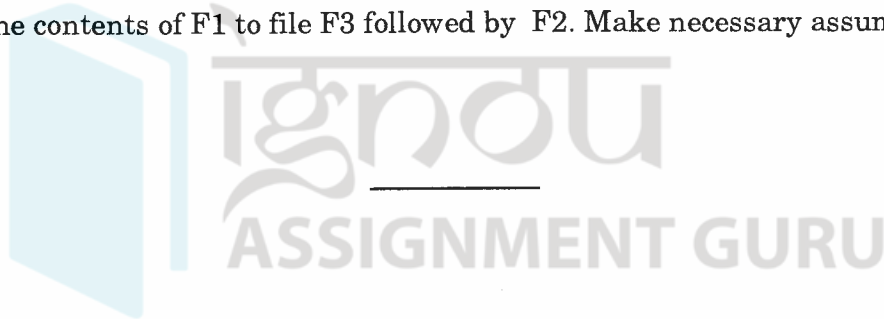**BCSL-033(P)/S4 : DATA AND FILE STRUCTURES LAB**

00612

Time : 1 Hour   *Maximum Marks : 50*

Note :   *Answer the following question. Rest 10 marks are for viva-voce.*

1.   Write a program in 'C' language that reads two files F1 and F2. Then, it should print the contents of F1 to file F3 followed by F2. Make necessary assumptions.   *40*

| **BCSL-033(P)/S1**

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
June, 2018

`00379`

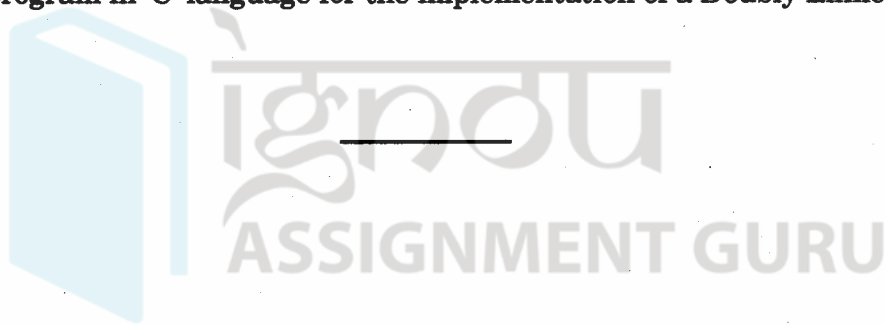### BCSL-033(P)/S1 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note :   *Answer the following question. Rest **10** marks are for viva-voce.*

1.   Write a program in 'C' language for the implementation of a Doubly Linked List.   *40*

No. of Printed Pages : 1

BCSL-033(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
June, 2018

01819

BCSL-033(P)/S2 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note :   *Answer the following question. Rest **10** marks are for viva-voce.*

1.   Write a program in 'C' language for the implementation of a Stack.   *40*

BCSL-033(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
June, 2018

00650 **BCSL-033(P)/S3 : DATA AND FILE STRUCTURES LAB**

Time : 1 Hour   *Maximum Marks : 50*

Note :   *Answer the following question. Rest **10** marks are for viva-voce.*

1.   Write a program in 'C' that accepts a file as input and prints the number of sentences in it.   *40*

No. of Printed Pages : 1 | **BCSL-033(P)/S4**

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
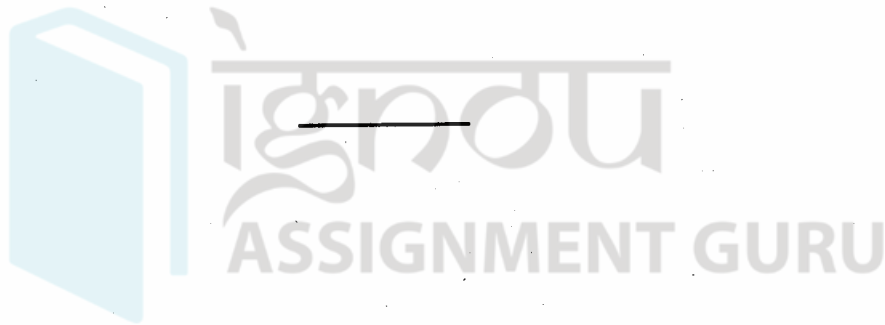### Term-End Practical Examination
June, 2018

00699

BCSL-033(P)/S4 : DATA AND FILE STRUCTURES LAB

Time : 1 Hour | *Maximum Marks : 50*

Note :   *Answer the following question. Rest **10** marks are for viva-voce.*

1.   Write a program in 'C' language for the addition of two sparse matrices.   *40*

69063

BCSL-033/S1

Bachelor of Computer Application (Revised) (BCA) Term-End Examination December, 2018

DATA AND FILE STRUCTURES LAB

Time : 1 Hour

Maximum Marks : 50

Note : (i) Answer the following question.

(ii) Rest 10 marks are for viva-voce.

[2]

1. Write a program in 'C' language for implementation of a Singly Linked List.

40

4,000

(A-9)

73313

BCSL-033/S2

Bachelor of Computer Application (Revised) (BCA) Term-End Examination December, 2018

DATA AND FILE STRUCTURES LAB

Time : 1 Hour

Maximum Marks : 50

Note : (i)   Answer the following question.

(ii)   Rest 10 marks are for viva-voce.

[2]

1. Write a program in 'C' language for the implementation of a Circular Queue.

40

BCSL-033/S2

3,000

(A-9)

75193

BCSL-033/S3

Bachelor of Computer Application (Revised) (BCA) Term-End Examination December, 2018

DATA AND FILE STRUCTURES LAB

Time : 1 Hour

Maximum Marks : 50

Note : (i) Answer the following question.

(ii) Rest 10 marks are for viva-voce.

[2]

1. Write a program in 'C' language that accepts a file as input and prints the number of words in it which have vowels. 40

BCSL-033/S3

2,000

(A-9)

78013

No. of Printed Pages : 2

BCSL-033/S4

Bachelor of Computer Application (Revised) (BCA) Term-End Examination December, 2018

DATA AND FILE STRUCTURES LAB

Time : 1 Hour

Maximum Marks : 50

Note : (i) Answer the following question.

(ii) Rest 10 marks are for viva-voce.

(A-9) P. T. O.

[2]

1. Write a program in 'C' language for the multiplication of two matrices. 40

BCSL-033/S4

2,000

(A-9)