Seat No:_____ **Enrollment No:_____**

PARUL UNIVERSITY

FACULTY OF IT & COMPUTER SCIENCE
Parul Institute of Computer Application
Bachelor of Computer Application
2017–18 Mid Semester Examination - practical

Semester: 2 **Date: 31/03/2018**
Subject Code: 05101152 **Time: 10:00 to 12:00**
Subject Name: Data Structure **Total Marks: 20**

Set:A

Q.1 **Journal** **[5]**

Q.2(a) Write a program to perform the following operations on a stack. (Implement the stack using array) **[10]**

a) PUSH
b) POP

Q.2(b) Write program to sort a given list using Selection sort. **[5]**

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Subject Code: 05101152 **Time: 10:00 to 12:00**
Subject Name: Data Structure **Total Marks: 20**

Set:B

Q.1 **Journal** **[5]**

Q.2(a) Write a program to convert an infix arithmetic expression into postfix notation. **[10]**

Q.2(b) Write program to sort a given list using Bubble sort. **[5]**

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Semester: 2 **Date: 31/03/2018**
Subject Code: 05101152 **Time: 1:00 to 3:00**
Subject Name: Data Structure **Total Marks: 20**

Set:C

Q.1 **Journal** **[5]**

Q.2(a) Write a program to perform the following operations on a stack. (Implement the stack using array) **[10]**

a) PEEP
b) CHANGE

Q.2(b) Write program to search an element in a given list using Binary Search. **[5]**

Seat No:_____ **Enrollment No:_____**

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Subject Code: 05101152 **Time: 1:00 to 3:00**
Subject Name: Data Structure **Total Marks: 20**

Set:D

Q.1 **Journal** **[5]**

Q.2(a) Write program to sort a given list using Quick sort. **[10]**

Q.2(b) Reverse elements of array. **[5]**