Seat No:_____   Enrollment No:_____

PARUL UNIVERSITY
FACULTY OF IT & COMPUTER SCIENCE
Parul Institute of Computer Application
BCA/IMCA
2018 Mid Semester Examination- practical
SET-A

Semester: 2   **Date: 30/03/18**
Subject Code: 05101151/05301151   **Time: 10:00 to 12:00**
Subject Name: Advanced C Programming   **Total Marks: 20**

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

Q.2 Definition   **[15] marks**

(A) Write a C Program to calculate area of a square using function with argument and return value.

(B) Write a C Program to swap two integers using Pointer.

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SET-B

Semester:2   **Date: 30/03/18**
Subject Code: 05101151/05301151   **Time: 10:00 to 12:00**
Subject Name: Advanced C Programming   **Total Marks: 20**

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

Q.2 Definition   **[15] marks**

(A) Write a c program to create a structure bank_detail. The data to be stored is: Account number, Name, Address and Balance and display using a structure. If balance below Rs. 100 than give a message "The balance is insufficient", else give a message, "The balance is sufficient".

(B) Write a C Program to access address of a variable using pointer.

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SET-C

Semester:2   **Date: 30/03/18**
Subject Code: 05101151/05301151   **Time: 01:00 to 03:00**
Subject Name: Advanced C Programming   **Total Marks: 20**

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

Q.2 Definition   **[15] marks**

(A) Write a C Program to create a Structure employee. The data stored is: employee id, name, salary, address, department no, age. Create sub structure name date of joining which contain the day, month and year and display all the data using structure within a structure.

(B) Write a C Program find factorial of a number using recursion function.

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SET-D

Semester:2   **Date: 30/03/18**
Subject Code: 05101151/05301151   **Time: 01:00 to 03:00**
Subject Name: Advanced C Programming   **Total Marks: 20**

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

Q.2 Definition   **[15] marks**

 (A) Write a C Program to compute area and perimeter of rectangle using pointers as parameter to function.

(B) WAP to access original address and then do increment on pointers and display new addresses. (Take different types of data)