



University of Engineering & Management, Kolkata

Odd Semester Examination, February, 2021

Course: B. Tech

Semester: 1st

Paper Name: Computer Programming and Problem Solving using Python and C - I

Paper Code: ESC181

Full Marks: 100

Time: 3 Hours

Instructions:

1. Students need to answer all questions of the allotted Set.
2. The answers should be written in white papers (preferably A4, but not mandatory).
3. The First page of the answer script must have Students Name, Section, Class Roll, Enrolment Number and Registration Number written at the top.
4. Subsequent pages must have Section and Roll Number written at the top.
5. The entire answer script is needed to be scanned and a single PDF file should be submitted.
6. The file name should be "Section_Roll.pdf" (e.g. A_100.pdf)

Set - 9

1. Write a C program to read 'n' number of strings from user and print the length of the highest length palindrome. Assume that the maximum length of any string is 10. Do not use 2D array.
2. Write a C program to declare a one-dimensional integer array of size 'n' where 'n' is user given. Read user given numbers to store in the array. Now create another array of same size and store the elements in the reverse order.
3. Write a C program to read a user given string of any size of your choice. Find the reverse of the string. Do not use 'string.h'.
4. Write a C program to declare a two-dimensional integer array of size 2×3. Read user given numbers to store in the array. Find the sum of the elements of the array