



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 - 13

1. In XYZ social media platform a user given password for a social media account is said to be valid if it contains the following:
 - I. At least one lowercase letter
 - II. At least one uppercase letter
 - III. At least one digitWrite a C program to read a password from user and check if the password is valid or not. The maximum length of password can be 32.
2. Write a C program to find the average of 'n' user given numbers where 'n' is user given. Do not use array.
3. Write a C program to print the Fibonacci sequence in reverse order starting from nth term where 'n' is user given. You may declare any function if required.
4. Write a C program to find the minimum of squares of 'n' user given numbers. The user may give negative inputs as well.