

# LOVELY PROFESSIONAL UNIVERSITY

## Academic Task No. 3

**School:** School of Computer Science & Engineering

**Faculty of** Technology and Sciences

**Name of the faculty member:**Gauri Mathur

**Course Code:** CSE101

**Course Title:** Computer Programming

**Program:** B-Tech (CSE)

**Term:** 1

**Max. Marks:** 30

**Is Rubric Applicable:** NA

**Date of Allotment:** 13/Nov/2020

**Date of Submission:** 21/Nov/2020

### Important Guidelines:

1. All questions in this Academic Task are compulsory.
2. It is mandatory to attempt all questions of the assignment in your own handwriting on A4 size sheets/pages with a blue colour ink pen. Any other mode of attempt (typed or printed codes or table) except hand written/drawn will not be accepted/considered as valid submission(s) under any circumstances.
3. Every attempted sheet/page should carry clear details of student such as Name, Registration number, Roll number, Question number and Page number. The page numbers should be written clearly on the bottom of every attempted sheet in a prescribed format as: for page 1; **Page 1 of 4**, for page 2; **Page 2 of 4**, for page 3; **Page 3 of 4** and for page 4; **Page 4 of 4**, in case your assignment/ document is of 4 pages.
4. After attempting the answer(s), student needs to take photograph of each of these answer sheets/pages and needs to convert the **jpeg** format images into a sequential single **pdf** format document (can be done with many free online available converters).
5. This PDF file should be uploaded onto the UMS interface on or before the last date of the submission.
6. Refrain from indulging into plagiarism as copy cases will be marked zero.
7. Questions are mentioned in the following table

S.No.	Roll No.	Objectives of Academic Activity	Topic/Question Details	Evaluation Parameters	Expected Outcomes
1.	For all roll numbers of Group-2	To check the understanding of programming and conceptual level of students.	<ol style="list-style-type: none"> <li>1. Write a program which should consists of a user defined function "maximum ()". Pass 1D array to the function, along with number of elements of array. Find out the maximum element in 1D array using this function. [Note: Array should be passed using by reference approach] [10 Marks]</li> <li>2. Write a program to implement linear search for char data in 1D array. Use pointer to array for the program. [10 Marks]</li> <li>3. What are the possible operations that can be performed on pointers. Explain with help of suitable example. [5 Marks]</li> <li>4. Discuss various ways of initializing 1D array in C. Also discuss their memory representations. [5 Marks]</li> </ol>	<ol style="list-style-type: none"> <li>1. Programming</li> <li>2. Programming</li> <li>3. Concepts understanding</li> <li>4. Theoretical concepts will be checked.</li> </ol>	<ol style="list-style-type: none"> <li>1. Program</li> <li>2. Program</li> <li>3. Concept based answer</li> <li>4. Theoretical answer</li> </ol>