Printed Pages : 2 **Roll No.** ☐☐☐☐☐☐☐☐☐☐☐ **MTCS-053**

M. TECH.

THEORY EXAMINATION (SEM–II) 2016-17

PROFESSIONAL ASPECTS IN SOFTWARE ENGINEERING

Time : 3 Hours *Max. Marks : 70*

Note : *Be precise in your answer. In case of numerical problem assume data wherever not provided.*

SECTION- A

1. **Attempt all parts of this Section :** **7×2=14**

   (a) What do you mean by term Confidential Information?

   (b) Explain Q Public License.

   (c) What is impact of the Internet?

   (d) Define the different Categories of Misuse.

   (e) What is the Liability for defective software?

   (f) Explain Patent Law?

   (g) Explain Data Protection and Privacy.

SECTION- B

2. **Attempt any three parts of the following :** **3×7=21**

   (a) Write down the difference between Free Software and Open Source Software.

   (b) Define terms: Identification, Authorization and Authentication.

   (c) What are the issues in Data & Software Privacy? Explain Copyright Law?

   (d) Compare between GNU General Public License and GNU Lesser General Public License.

   (e) What is including in authorization process for File, Program, and Data rights.

SECTION- C

3. **Attempt all questions in this section :** **5×7=35**

   (a) What are the different technologies used for the security of data and application? Explain Data Protection Practice.

OR

Explain and difference between integrating security at the implementation phase and developing phase.

   (b) Discuss computer fraud? Write the difference between Unauthorized Alteration information and Destruction of information.

OR

What do you mean by Denying Access to an Authorized user? Explain process of Unauthorized Removal of information Stored in a Computer.

(c) Define Liability for defective software? Explain message authentication using different methods.

<div align="center">**OR**</div>

Explain the types of software service Contract. Define Contract process for the supply of custom-built software at a fixed price.

(d) Write short notes on MIT License, Sun Community License and BSD License.

<div align="center">**OR**</div>

What is the need of software license? Discuss in details copyright law.

(e) What is an Intellectual property right? How it can be protected?

<div align="center">**OR**</div>

Write short note on Moral Rights, Trademarks and Domain Names.