PAPER ID-421405

Roll No: | | | | | | | | | | | | | |

MTECH
(SEM II) THEORY EXAMINATION 2021-22
PROFESSIONAL ASPECTS IN SOFTWARE ENGINEERING

Time: 3 Hours   *Total Marks: 70*

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. **Attempt *all* questions in brief.**   2 x 7 = 14

Qno.	Question	Marks	CO
a.	Define Information.	2	1
b.	What do you mean by term Confidential Information?	2	1
c.	Explain Moral rights.	2	1
d.	Explain Q Public License.	2	2
e.	Define Software contract.	2	1
f.	What is impact of the Internet?	2	3
g.	Explain Data protection.	2	2

SECTION B

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

Qno.	Question	Marks	CO
a.	Compare between GNU General Public License and GNU Lesser General Public License	7	1
b.	Explain Data Protection and privacy. Discuss the impact on internet of it.	7	2
c.	Define terms: Identification, Authorization and Authentication	7	3
d.	Discuss the factor influencing the regulation of data processing.	7	4
e.	Explain various laws for software crime protection in details.	7	5

SECTION C

3. **Attempt any *one* part of the following:**   7 x 1 = 7

Qno.	Question	Marks	CO
a.	What are the different technologies used for the security of data and application? Explain Data Protection Practice.	7	1
b.	Explain the following: (i) Trademarks (ii) Domain Name.	7	1

4. **Attempt any *one* part of the following:**   7 x 1 = 7

Qno.	Question	Marks	CO
a.	Discuss computer fraud? Write the difference between Unauthorized Alteration information and Destruction of information.	7	2
b.	Define the followings: (i) Destruction of Information (ii) Custom built Software.	7	2

5. **Attempt any *one* part of the following:**   7 x 1 = 7

Qno.	Question	Marks	CO
a.	Define Liability for defective software? Explain message authentication using different methods	7	3
b.	Describe the GNU general public license in details.	7	3

6. **Attempt any *one* part of the following:**   7 x 1 = 7

Qno.	Question	Marks	CO
a.	Write short notes on MIT License, Sun Community License and BSD License.	7	4
b.	Describe the GNU lesser public license in details.	7	4

7. **Attempt any *one* part of the following:**   7 x 1 = 7

Qno.	Question	Marks	CO
a.	What is an Intellectual property right? How it can be protected?	7	5
b.	Explain the convergence of Data Protection practice in details.	7	5