Roll No.

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M.Tech. (CSE)

(Sem.-2)

SECURE SOFTWARE DESIGN & ENTERPRISE COMPUTING

Subject Code: MTCS-207-18

M.Code: 76058

Date of Examination: 22-12-2022

Time: 3 Hrs. Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

- 1. Attempt any FIVE questions out of EIGHT questions.
- 2. Each question carries TWELVE marks.
 - 1. What do you mean by hierarchy of exceptions? Give a detailed note on SQLexception. How to handle insecure exceptions?
 - 2. Define Enterprise Computing. List out the common services for Distributed Enterprise Communication. How can we employ information technology by an enterprise system?
 - 3. Explain the steps to achieve secure software design. Write an example to illustrate and perform security testing and quality assurance. How to protect the situation where a program written with functions and intent to copy and disperse itself without the knowledge and cooperation of the owner or user of the computer?
 - 4. What are the functional and non-functional security requirements essential in designing and development of multitier enterprise system?
 - 5. Write the steps to install and administer network services DNS, DHCP and terminal Services.
 - 6. What is DNS in networking and how it works? How would you manage and secure a cluster in network services?
 - 7. How to design and maintain a directory-based server infrastructure in a heterogeneous system environment?
 - 8. Explain the steps to manage and troubleshoot a network running multiple services. How would you design distributed N- tier software application?

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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