

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.