

7641074

M.Tech. DEGREE EXAMINATION, APRIL 2021.

First Semester

Computer Science and Engineering

TRUSTED INTERNET

Time : Three hours

Maximum : 60 marks

Answer ALL questions.

UNIT I

1. Explain the underlying architecture of Internet and how the static and dynamic addresses work. (12)

Or

2. With a neat diagram describe the working of web client server architecture. (12)

UNIT II

3. Discuss the security issues, threats and its impact on internet and also describe how to secure the web client. (12)

Or

4. Explain how SSL secures web communication. (12)

UNIT III

5. Discuss the design principles of trusted system and elaborate in detail about the working of trusted OS. (12)

Or

6. What is the role of firewalls and explain the various types of firewalls? (12)

UNIT IV

7. List out the business requirements for SET and explain the responsibilities of SET system participants. (12)

Or

8. Explain how the cardholder registration, merchant registration, purchase request, payment authorization and payment capture work in SET payment processing. (12)

UNIT V

9. What is security development life cycle? Describe the different stages of security development life cycle in detail. (12)

Or

10. What do you mean by trusted internet security services? Elaborate it in detail. (12)