

Code No: 5658AX

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M. Tech II Semester Examinations, July/August - 2021

WEB AND DATABASE SECURITY

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 75

Answer any five questions
All questions carry equal marks

- 1.a) Today's web security problem has three primary facets. Explain them in detail.
- b) Discuss the two typical attacks on Web servers. [8+7]
- 2.a) How does secure socket layer offer confidentiality?
- b) What is the importance of SET protocol? [8+7]
- 3.a) Explain triangulation process with an example.
- b) What is a web bug? List the guidelines for using web bugs. [7+8]
- 4.a) How to resist social engineering attacks? Discuss social engineering techniques.
- b) Discuss the risk of password sniffing. [8+7]
- 5.a) What features must be supported by an access control system?
- b) Explain access control through encryption. [8+7]
- 6.a) Describe credential retrieval mechanisms.
- b) Demonstrate the threat of indirect inferences in OLAP systems. [7+8]
- 7.a) Discuss about important principles of security re-engineering approach.
- b) Write algorithms for Watermark insertion and its detection for the single-bit encoding. [7+8]
- 8.a) Describe location based predicates with suitable examples.
- b) Explain how time-parameterized bounding rectangle tree is used in privacy policy enforcement. [7+8]

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