Reg. No. \_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov / Dec – 2019**

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|  |  |  |  |
| **Code :** | **17CA2050** | **Duration :** | **3hrs** |
| **Sub. Name :** | **SECURITY OF WEB APPLICATIONS** | **Max. Marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

|  |  |  |  |  |  |  |  |
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| **Q. No.** | **Sub Div.** | **Questions** | | **Course**  **Outcome** | | **Marks** | |
| 1. | a. | Differentiate between HTTP and HTTPS. | | CO1 | | 6 | |
| b. | Discuss about the various types of servers. | | CO1 | | 14 | |
| **(OR)** | | | | | | | |
| 2. | a. | List down the benefits of Client-Server architecture. | | CO1 | | 5 | |
| b. | Explain the common threats to web applications. | | CO1 | | 15 | |
|  |  |  | |  | |  | |
| 3. |  | Describe the various hacking methodologies. | | CO2 | | 20 | |
| **(OR)** | | | | | | | |
| 4. | a. | List down the best practices to avoid DDoS attacks and mitigation strategies. | | CO2 | | 10 | |
| b. | Compile the features of various DDoS tools. | | CO3 | | 10 | |
|  |  |  | |  | |  | |
| 5. | a. | Define Password cracking. Describe the various password cracking methods. | CO4 | | 10 | |
| b. | Prepare a report on Password cracking tools. | CO4 | | 10 | |
| **(OR)** | | | | | | |
| 6. |  | Discuss about HTTP authentication methods. | CO4 | | 20 | |
|  |  |  |  | |  | |
| 7. | a. | Give an outline of query string. | CO5 | | 4 | |
| b. | Explain how cookies work. | CO5 | | 6 | |
| c. | Give a short outline of the different types of cookies. | CO5 | | 10 | |
| **(OR)** | | | | | | |
| 8. | a. | Compare HTTP Get and Post methods. | CO5 | | 6 | |
| b. | Describe the various status codes of HTTP. | CO1 | | 7 | |
| c. | Explain how if-modified-since and if-none-match headers in HTTP request works. | CO1 | | 7 | |
|  | | **Compulsory**: |  | |  | |
| 9. | a. | Discuss input validation attacks. | CO5 | | 6 | |
| b. | Explain how impersonation attack is constructed and executed. | CO5 | | 7 | |
| c. | Describe the structure of URL. Write short note on URL manipulation attacks. | CO5 | | 7 | |