**Sample Paper**

Subject Title: Web and Mobile Security/20CST/ITT-333

Time: 3 Hour Maximum Marks: 60

**Instructions: Attempt all questions**

|  |  |  |
| --- | --- | --- |
| Q. No | Statement | CO mapping |
| **Section A**  5 x 2 = 10 marks | | |
| 1 | Define directory traversal attack. | CO1 |
| 2 | How buffer overflow is used to perform malicious activities? | CO2 |
| 3 | Explain SIM/UICC Security. | CO2 |
| 4 | What is browser exploit? | CO3 |
| 5 | What are canonicalization attacks? | CO3 |
| **Section B**  4 x 5 = 20 marks | | |
| 6 | Explain Creaser cipher with an example. | CO2 |
| 7 | Explain encryption and decryption process of Monoalphabetic cipher with an example | CO3 |
| 8 | Discuss polyalphabetic algorithm with example. | CO2 |
| 9 | What types of attacks are performed on Apache server? Explain each with their countermeasures. | CO4 |
| **Section C**  3 x 10 = 30 marks | | |
| 10 | Explain features of Window and Linux along with layer architecture. How these platforms are made secure? Explain in detail. | CO3 |
| 11 | Explain security attacks and measures of WI-FI attacks. | CO4 |
| 12 | How SQL injection is performed? Explain methods,types and solutions | CO5 |