**Sample Paper**

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

Time: 3 Hour Maximum Marks: 60

**Instructions: Attempt all questions**

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| Q. No | Statement | CO mapping |
| **Section A**  5 x 2 = 10 marks | | |
| 1 | Discuss Mesh Topology. | CO1 |
| 2 | What is DMZ? | CO2 |
| 3 | Explain XSRF attack. | CO2 |
| 4 | List types of Bluetooth attacks | CO3 |
| 5 | Describe GSM algorithms | CO3 |
| **Section B**  4 x 5 = 20 marks | | |
| 6 | What it scripting language? Explain its types. | CO2 |
| 7 | What is CAPTCHA and how does it work? | CO3 |
| 8 | How input injection attack is performed? Explain all methods. | CO2 |
| 9 | Explain different session hijacking and fixation techniques. How session hijacking is done? . | CO4 |
| **Section C**  3 x 10 = 30 marks | | |
| 10 | 1. Discuss encryption process of mono-alphabetic cipher working. 2. Differentiate between all topologies along with advantages. | CO3 |
| 11 | 1. Explain remote server security attacks? Explain all methods? Explain mitigations. | CO4 |
| 12 | 1. How CSS attack is performed? Explain methods and solutions. 2. How XML attack is performed? Explain methods and solutions. | CO5 |