

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2014**

**Subject code: 725101**

**Date: 16-06-2014**

**Subject Name: Application Security**

**Time: 02:30 pm - 05:00 pm**

**Total Marks: 70**

**Instructions:**

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full mark.**

- Q.1 (a)** What is an interpreted language? What is Python Interpreter? **07**  
**(b)** What is static typing and dynamic typing? **07**
- Q.2 (a)** What are the advantages and disadvantages of using a python interpreter also define it. **07**  
**(b)** Discuss the begin and end statements in python. How it is different from other languages like C / C++? What is -tt in python? **07**
- OR
- (b)** What is the importance of sys.argv? Discuss some of the common scenarios where sys.argv is used. **07**
- Q.3 (a)** What is doc string? What are the points to be considered when creating a doc string? Give an example. **07**  
**(b)** What is a string type in python? Discuss whether python string types are immutable or not. What is string slicing? **07**
- OR
- Q.3 (a)** What is a list type in python? Discuss whether python list types are immutable or not. **07**  
**(b)** Discuss parallel assignment in python. **07**
- Q.4 (a)** Discuss placeholder in python with an example. Discuss negative number for indexing (also used for slicing). **07**  
**(b)** What is Insufficient Transport Layer Protection? Explain with some examples. **07**
- OR
- Q.4 (a)** Explain compile time (checking) and run time (checking). Give some examples. **07**  
**(b)** What is an interpreted language? Give some examples. What is OWASP? **07**
- Q.5 (a)** Explain what is Failing to Restrict URL Access with some examples. **07**  
**(b)** Discuss Insecure Cryptographic Storage with the help of some examples. **07**
- OR
- Q.5 (a)** What do you mean by type checking? Explain dynamic typing and static typing? **07**  
**(b)** What is Security Misconfiguration? Give some examples. **07**

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