



**SAVEETHA**  
**ENGINEERING COLLEGE**

**AUTONOMOUS**

**AFFILIATED TO ANNA UNIVERSITY**

## CIA-1 Online Question Paper - CS3414

Attempted

**Attempted on: 17/12/2025, 1:39:05 pm**

### Part – A ( $5 \times 2 = 10$ )

1. State the functions of the TCP/IP protocol.
2. Enumerate the major components of DNS.
3. Why is SSH preferred for remote administration of servers?
4. Draw the typical project structure of a Django application developed for managing a student database.
5. How does Django ensure that the submitted CSRF token is valid?

### Part – B ( $2 \times 13 = 26$ )

6.
  - a) Describe the classification of IP addresses into various classes and highlight the key features of each.

OR

  - b) Describe various types of networking devices used in computer networks, explaining their functions, differences, and how they contribute to efficient data communication.
7.
  - a) (i) Create a model for an E-commerce website database like Amazon or Flipkart that records information for 20 products. Ensure the model includes at least seven relevant fields. (ii) Describe the various field types provided.

OR

b) Design and develop a dynamic web application using server-side scripting that allows a user to input distance and fuel and calculate mileage.

**Part – C (1 × 14 = 14)**

8.

a) Elaborate on the key challenges and risks associated with web security.

OR

b) Explain the purpose of DNS and describe the various parts of the URL:

<https://www.saveetha.ac.in:80/search/?searchword=research&hl=en#projects>