5/12/2024 IT SEM-VI C SCHEME WEB X.O QP CODE: 10065171

(3 Hours.)   **Maximum Marks = 80**

NB:

1. Question No. 1 is compulsory and solve any THREE questions from the remaining questions
2. Assume suitable data if necessary
3. Draw clean and neat diagrams

Q1.   Attempt **any four**

   a.   Compare and contrast Web 1.0, Web 2.0 and Web 3.0   **5**

   b.   Explain AngularJS Controller.   **5**

   c.   What are the features of MongoDB?   **5**

   d.   Differentiate between JavaScript and TypeScript   **5**

   e.   What is Content Management System (CMS)   **5**

Q2. a.   Define Semantic Web. Explain the components of Semantic Web Stack   **10**
        with diagram.

   b.   Explain how internal and External Modules used in TypeScript with   **10**
        suitable example.

Q3. a   Explain Flask templates with an example.   **10**

   b   Explain Angular JS filters with example   **10**

Q4. a.   Explain RSET API in detail.

   b   Explain Drupal's architecture with its advantages.   **10**

Q5. a.   What is an AngularJS dependency injection? State 6 examples of   **10**
        AngularJS built-in helper function

   b.   Explain MongoDB CRUD Operations with an example   **10**

Q6. a.   How do you set, access and delete cookies in Python Flask?   **10**

   b.   Explain working of AJAX with diagram? How XMLHttpRequest object
        works in AJAX?

_____