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21CS62

Sixth Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025

**Full Stack Development**

Time: 3 hrs.

Max. Marks: 100

*Note: Answer any FIVE full questions, choosing ONE full question from each module.***Module-1**

- 1 a. Explain the processing of Django request and response with a flow diagram. (10 Marks)
- b. Write a python function in Django framework that displays date and time which is an offset of n hours from current date and time. (10 Marks)

**OR**

- 2 a. Illustrate the process of URL mapping with views. (10 Marks)
- b. Describe MVC design pattern with a neat diagram. (10 Marks)

**Module-2**

- 3 a. Define the following: (i) Tags (ii) Filters (10 Marks)
- b. Describe the process of template system usage in Django. (10 Marks)

**OR**

- 4 a. Explain the following: (i) Selecting objects (ii) Deleting objects (10 Marks)
- b. Summarize the concept of template loading in Django. (10 Marks)

**Module-3**

- 5 a. Illustrate the usage of admin interface in Django. (10 Marks)
- b. Develop a Model form for student that contains his topic chosen for project, languages used and duration with a model called project. (10 Marks)

**OR**

- 6 a. Describe the following: (i) Creating a feedback form (ii) Processing the submission (10 Marks)
- b. Create a Django app that performs student registration course. Register admin interfaces, perform migrations and illustrate data entry through admin forms. (10 Marks)

**Module-4**

- 7 a. Develop a Django app that performs CSV and pdf generation for any models created. (10 Marks)
- b. Illustrate the generic views of objects. (10 Marks)

**OR**

- 8 a. Create a generic class view which displays list of students and detail view that displays student details for any selected student in the list. (10 Marks)
- b. Explain the syndication feed framework in generating Non-HTML content. (10 Marks)

**Module-5**

- 9 a. Define the following: (i) HTML (ii) XML (iii) JSON (iv) CSS (10 Marks)  
b. Mention the jQuery Ajax facilities and explain any four. (10 Marks)
- OR
- 10 a. Illustrate the using of jQuery UI Autocomplete in Django templates. (10 Marks)  
b. Explain XML HTTP Request by mentioning the properties. (10 Marks)

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