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21CS62

Sixth Semester B.E./B.Tech. Degree Examination, June/July 2026
Full Stack Development

Time: 3 hrs. Max. Marks: 100

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

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

Module-1

1 a. Define Full Stack Development. What are the key advantages of Full Stack Development? Explain the Concept of Web Framework. **(10 Marks)**

b. Explain Django views with an example. **(10 Marks)**

OR

2 a. Illustrate the Wild Card Patterns in URLs with example. Also explain the errors in Django. **(10 Marks)**

b. With a neat diagram explain the complete flow of Django request and response. **(10 Marks)**

Module-2

3 a. Explain the following with example.

i) if/else tag
ii) filter tag
iii) include tag **(10 Marks)**

b. Explain template Inheritance with an example. **(10 Marks)**

OR

4 a. Explain the following with example.

i) For tag
ii) Reverse and Nested for tag
iii) For loop counter and For loop revcounter **(10 Marks)**

b. Explain Django Models. List any four model fields name along with class and explain the same. **(10 Marks)**

Module-3

5 a. How to activate, use and customize the admin interface? **(10 Marks)**

b. Explain Django form Flow using a neat diagram. **(10 Marks)**

OR

6 a. Briefly explain URL Conf Ticks with examples. **(10 Marks)**

b. Explain the creation of Feedback forms, submission and custom validation with an examples **(10 Marks)**

Module-4

7 a. Explain different ways to extend the generic views to handles a larger array of use cases. Explain each with example **(10 Marks)**

b. Explain the process of generating CSV and PDFs along with steps and an example. **(10 Marks)**

OR

8 a. Explain Django users and authentications. **(10 Marks)**

b. Define Cookies and explain the same. **(10 Marks)**

Module-5

9 a. Explain the methods and properties of XMLHttp Request. **(10 Marks)**

b. Write a note on the following concepts:

i) HTML / XHTML
ii) XML
iii) JSON
iv) CSS **(10 Marks)**

OR

10 a. Explain the different key facilities of Ajax. **(10 Marks)**

b. Explain how to use j Query UI Auto complete in Django Templates. **(10 Marks)**

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