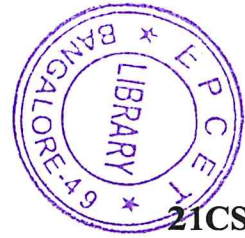


CBCS SCHEME



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Sixth Semester B.E./B.Tech. Degree Examination, June/July 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 how to configure urls in urls.py. Develop a program to display current data and five, and 4 days ahead. (10 Marks)
- b. What is a web framework? List and explain features of django framework. Explain MVC framework/architecture with a diagram. (10 Marks)

OR

- 2 a. What is loose coupling? Demonstrate the concept of URL confs and loose coupling by taking an example. (10 Marks)
- b. Develop a python CGI script to display ten most recently published books from the database table. (10 Marks)

Module-2

- 3 a. Develop a program to demonstrate the following concepts :
 - i) Selecting objects
 - ii) Filtering data
 - iii) Retrieving single objects
 - iv) Slicing data. (10 Marks)
- b. Develop a program to display
 - i) Unordered list of fruits
 - ii) List of students from a database table. (10 Marks)

OR

- 4 a. Develop a program to demonstrate the concept of:
 - i) Ordering data
 - ii) Reverse ordering data
 - iii) Updating objects
 - iv) Deleting objects. (10 Marks)
- b. What is template inheritance? Develop program to demonstrate template inheritance. (10 Marks)

Module-3

- 5 a. In URL conf, demonstrate with code, the concept of streamlining function imports. (10 Marks)
- b. Develop a program to demonstrate the Concept of Form and Model Form. (10 Marks)

OR

- 6 a. Develop contact form and show how to tie the form to a view. (10 Marks)
- b. List and explain all the steps to be followed up to migration. Write a sample model class. (10 Marks)

Module-4

- 7 a. Develop a program to download the contents of a students table to excel (CSV) file. (10 Marks)
b. Develop program for registering student and displaying a list of students. When a student is selected, display more details about student using django ListView and DetailView. (10 Marks)

OR

- 8 a. Develop a program to download the contents of students table to PDF file. (10 Marks)
b. What is Syndication feed? Develop a program to display latest file blogs using a Simple feed. (10 Marks)

Module-5

- 9 a. What is XMLHttpRequest? List and briefly explain the properties and methods of XMLHttpRequest. (10 Marks)
b. Design and develop a program to demonstrate Ajax calls in jQuery. (10 Marks)

OR

- 10 a. List the technologies on which ajax is overlaid, briefly explain HTML/XHTML, XML, JSON. (10 Marks)
b. Develop a registration page for student enrolment without page refresh using AJAX. (10 Marks)
