

CBCS SCHEME

21CS62



Sixth Semester B.E./B.Tech. Degree Examination, Dec.2025/Jan.2026 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 need of a web framework highlighting the disadvantages in one off dynamic script that uses a specific DMBS library. (10 Marks)
- b. How would you start a new Django project and app? List the steps. (05 Marks)
- c. Write a python function in Django framework views.py and urls.py that display current date and time in server. (05 Marks)

OR

- 2 a. Describe the role of various wild cards in creating dynamic URLs with any example. (06 Marks)
- b. With a flow diagram, explain the processing of Django request and response. (06 Marks)
- c. Develop a Django that displays current date and time in server. (08 Marks)

Module-2

- 3 a. Define a Django Template, write a simple python function that creates Template object and renders it. (write html file, views.py and urls.py). (10 Marks)
- b. Explain various Template Tags and Filters with example code. (10 Marks)

OR

- 4 a. Define Template Inheritance and explain the usefulness of template inheritance with any example code. (10 Marks)
- b. Develop a Django app that performs student registration to a course. It should also display list of students registered for any selected course. Create students and course as models with enrolment as many-to-many field. (10 Marks)

Module-3

- 5 a. Explain various features available in Django administration interfaces. (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 working of captured parameters and extra URL conf with include(). (10 Marks)
- b. Explain Django Model Forms with example program. (10 Marks)

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-4

- 7 a. Explain object based generic view with example. (10 Marks)
- b. 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)

OR

- 8 a. Explain the various methods and attributes of sitemap class. (10 Marks)
- b. Develop a python code for generating CSV and PDF file for any model. (10 Marks)

Module-5

- 9 a. Explain the various methods and properties of XMLHttpRequest object. (10 Marks)
- b. Differentiate HTML, XML and XHTML. How JSON is better than XML for data presentation. (10 Marks)

OR

- 10 a. Write short notes on : (10 Marks)
- i) UI Auto complete ii) iFrames
- b. Develop a search application in Django using AJAX that displays courses enrolled by a student being searched. (10 Marks)

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