

(Please write your Exam Roll No.)

Exam Roll No.....

# END TERM EXAMINATION

FOURTH SEMESTER [BCA] July 2023

Paper Code: BCAT218 Subject: Web Development with Python and Django  
(BATCH-2021 ONWARDS)

Time: 3 Hours

Maximum Marks: 75

Note: Attempt five questions in all including Q.no.1 which is compulsory.  
Select one question from each unit.

Q1 Attempt **any ten** of the following questions: (2.5x10=25)

- a) Django environment
- b) CRUD operations
- c) Cryptographic Signing
- d) Django SQLite
- e) Bootstrap
- f) Chaining Lookups
- g) Slicing Data
- h) Template Filters
- i) Template Inheritance Tags
- j) Destroying a session using flush
- k) Cross site request forgery protection

*Selected up to 3*

## UNIT-I

- Q2 a) Explain MVC framework and how it is implemented in Django. (6.5)  
b) Explain client-server architecture. (6)

OR

- Q3 a) Differentiate between MVC and MVT. (6)  
b) Write a short note on webserver and its types. (6.5)

## UNIT-II

- Q4 a) What is Dynamic content? How it is generated in Django? (6.5)  
b) List all the steps to do URL configuration. Explain Loose Coupling, (6)

OR

- Q5 a) Explain the following in Template language: (6)  
(i) Boolean operators  
(ii) Variables  
(iii) For loop  
b) Create a template in views and explain the process of loading template. (6.5)

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**UNIT-III**

- Q6 a) How to validate fields in a model using Django? (6)  
b) Explain the basic data types and fields list in Django. (6.5)
- OR**
- Q7 a) How to make changes in Database Schema using Django? (6.5)  
b) List all the relationship fields in Django with example. (6)

**UNIT-IV**

- Q8 a) Differentiate between Cookies and sessions. (6)  
b) Explain how to use sessions outside of Views along with an example? (6.5)
- OR**
- Q9 Create a login form that accepts username and password and implement the following in it: (12.5)  
i) Session  
ii) Remember me functionality using Cookies

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