

Model Question Paper-1/2 with effect from 2021(CBCS Scheme)

USN

--	--	--	--	--	--	--	--	--	--

Sixth Semester B.E. Degree Examination Subject Title: Fullstack Development

TIME: 03 Hours

Max. Marks: 100

Note: 1. Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

Module -1			*Bloom's Taxonomy Level	COs	Marks
Q.01	a	Define Web Framework? Explain with example of design of a Web application written using the Common Gateway Interface (CGI) standard with its disadvantage.	L2	1	10
	b	Explain how Django Processes a Request.	L2	1	10
OR					
Q.02	a	Explain Wildcard URL patterns and Django's Pretty Error Pages.	L2	1	10
	b	Write a Django app that displays date and time four hours ahead and four hours before as an offset of current date and time in server.	L2	1	10
Module-2					
Q. 03	a	Explain Basic Template Tags and Filters.	L2	2	10
	b	Explain MTV Development Pattern.	L2	2	10
OR					
Q.04	a	Explain Template Inheritance with example.	L2	2	10
	b	Explain Making Changes to a Database Schema.	L2	2	10
Module-3					
Q. 05	a	Explain Customizing the Admin Interface.	L2	3	10
	b	Explain Creating a Feedback Form and Processing the Submission.	L2	3	10
OR					
Q. 06	a	Develop a Model form for student that contains his topic chosen for project, languages used and duration with a model called project.	L2	3	10
	b	List and Explain URLconf Tricks.	L2	3	10
Module-4					
Q. 07	a	Define Generic Views and explain its types.	L2	4	10
	b	Explain Extending Generic Views	L2	4	10

OR					
Q. 08	a	For student's enrolment, create a generic class view which displays list of students and detail view that displays student details for any selected student in the list.	L2	4	10
	b	Write a note on followings i) Cookies ii) Users and Authentications.	L2	4	10
Module-5					
Q. 09	a	List and explain the technologies Ajax is overlaid on.	L2	5	10
	b	Explain XHTML Http Request and Response.	L2	5	10
OR					
Q. 10	a	List and explain the jQuery Ajax facilities.	L2	5	10
	b	Write a program to develop a search application in Django using AJAX that displays courses enrolled by a student being searched.	L2	5	10

Model Question Paper-1/2 with effect from 2021(CBCS Scheme)

USN

--	--	--	--	--	--	--	--	--	--

Sixth Semester B.E. Degree Examination

Full Stack Development

TIME: 03 Hours

Max. Marks: 100

Note:

01. Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

Module -1			Bloom's Taxonomy Level	COs	Marks
Q.01	a	Explain the MVC (Model-View-Controller) design pattern. How does Django implement this pattern?	L2	CO1	5
	b	Discuss the process of mapping URLs to views in Django with an example.	L2	CO1	10
	c	Describe loose coupling in the context of Django URLConfs. Why is it important?	L2	CO1	5
OR					
Q.02	a	What are wild card patterns in URLs? Provide an example of how they are used in Django.	L2	CO1	8
	b	Explain the evolution of Django and mention any two key features.	L2	CO1	6
	c	Discuss the concept of views in Django.	L2	CO1	6
Module-2					
Q. 03	a	Describe the basics of the Django template system. How is it different from other template systems?	L2	CO2	5
	b	Explain the process of configuring databases and defining models in Django.	L2	CO2	10
	c	What is schema evolution? Discuss how Django handles schema evolution.	L2	CO2	5

OR					
Q.04	a	Discuss template inheritance in Django with an example.	L2	CO2	5
	b	Explain the steps involved in inserting and updating data in Django models.	L2	CO2	10
	c	How can you add model string representations in Django? Why is it useful?	L2	CO2	5
Module-3					
Q. 05	a	What are the benefits of using Django admin interfaces?	L2	CO3	5
	b	Describe the process of creating and processing feedback forms in Django.	L2	CO3	10
	c	How can custom validation be implemented in Django forms? Provide an example.	L2	CO3	5
OR					
Q. 06	a	Explain how to activate and use Django admin interfaces.	L2	CO3	5
	b	Discuss the importance of model forms in Django and how they differ from regular forms.	L2	CO3	10
	c	What are URLConf Ticks and why are they used?	L2	CO3	5
Module-4					
Q. 07	a	Explain the concept of Generic Views in Django and their benefits.	L2	CO4	5
	b	Describe how to generate non-HTML content like CSV and PDF using Django.	L2	CO4	10
	c	Discuss the role of cookies and sessions in Django for state persistence.	L2	CO4	5
OR					
Q. 08	a	How does the Sitemap framework work in Django?	L2	CO4	5
	b	Describe the process of creating a syndication feed in Django.	L2	CO4	10
	c	Explain user authentication in Django. What are the key components involved?	L2	CO4	5
Module-5					

Q. 09	a	What is AJAX and how is it integrated with Django?	L2	CO5	5
	b	Explain the use of jQuery UI Autocomplete in a Django application.	L2	CO5	10
	c	Discuss the settings required for using JavaScript in Django.	L2	CO5	10
OR					
Q. 10	a	Describe the role of XMLHttpRequest and Response in AJAX.	L2	CO5	5
	b	How can JSON be used with AJAX in Django applications? Provide an example.	L2	CO5	10
	c	Explain how iframes can be utilized in Django for content loading.	L2	CO5	5

*Bloom's Taxonomy Level: Indicate as L1, L2, L3, L4, etc. It is also desirable to indicate the COs and POs to be attained by every bit of questions.