



School of Engineering Question Bank

I Year B. Tech – I Semester – 2023-24

Stack Development Frameworks (MR23-1CS0103)

Q. No	Question	Course Outcome	Question Level	Marks	Section	Unit
1	What is full stack development? Identify and explain the need for full stack development.	C01	Easy	8	Section-I	1
2	List any three front end languages and explain.	C01	Easy	8	Section-I	1
3	Write in brief about the following back end languages: a) Python b) Java	C01	Medium	8	Section-I	1
4	Identify and brief about various front-end frameworks.	C01	Medium	8	Section-I	1
5	(a) What is client-server model? How does client-server architecture work? (b) List and explain the different types of client-server models with neat diagram.	C01	Medium	8	Section-I	1
6	Define stack. Explain the MEAN stack architecture and its components.	C01	Medium	8	Section-I	1
7	Explain the following stack frameworks in detail. (a) MERN Stack (b) MEVN Stack	C01	Medium	8	Section-I	1
8	Explain LAMP stack and its components.	C01	Easy	8	Section-I	1
9	Explain in detail about different levels of schema in DBMS.	C02	Easy	8	Section-II	2
10	Discuss in detail about different types of data models.	C02	Easy	8	Section-II	2
11	(a) Define database. Brief about RDBMS. (b) Give an overview of database architecture.	C02	Medium	8	Section-II	2
12	Explain the following SQL commands with example. (a) DDL Commands (b) DML Commands	C02	Complex	8	Section-II	2
13	(a) Discuss in detail about TCL commands with example. (b) List and explain various outer JOINS with example.	C02	Medium	8	Section-II	2
14	Define trigger? Explain how to implement triggers in SQL.	C02	Complex	8	Section-II	2
15	What is a view in SQL? Write a syntax for creating views with an example.	C02	Medium	8	Section-II	2



16	Write about SQL Indexes and explain various types of Indexes.	C02	Medium	8	Section-II	2
17	Explain Django framework with architecture.	C03	Easy	8	Section-III	3
18	(a) List and explain the features of Django framework. (b) Define and Explain the working process of web servers.	C03	Easy	8	Section-III	3
19	Write the procedure to install and configure the Django components.	C03	Medium	8	Section-III	3
20	Create the hello world application using Django. Explain with relevant example.	C03	Complex	8	Section-III	3
21	(a) Write the procedure to create views. (b) Write short note on Django URL mapping.	C03	Medium	8	Section-III	3
22	Explain in details about Django templates with example.	C03	Easy	8	Section-III	3
23	Discuss about rendering dynamic content in templates.	C03	Complex	8	Section-III	3
24	(a) Outline the DRY principles in Django. (b) Explain in detail about DRY template inheritance in Django.	C03	Medium	8	Section-III	3
25	How to create a form using Django Forms? Explain with example.	C04	Easy	8	Section-IV	4
26	Discuss in detail about Django form validation.	C04	Medium	8	Section-IV	4
27	Explain Django Form Widget with example.	C04	Medium	8	Section-IV	4
28	Brief about handling form errors in django.	C04	Complex	8	Section-IV	4
29	Identify and explain the Django CRUD operations.	C04	Easy	8	Section-IV	4
30	Explain in detail about user authentication in Django.	C04	Complex	8	Section-IV	4
31	How to manage the user sessions and permissions in Django?	C04	Complex	8	Section-IV	4
32	Discuss in detail about building user profiles and account management.	C04	Medium	8	Section-IV	4
33	Illustrate the REST architecture in detail.	C05	Easy	8	Section-V	5
34	How to Build Web API using Django REST?	C05	Complex	8	Section-V	5
35	Explain in detail CRUD operation with Django REST Framework.	C05	Medium	8	Section-V	5
36	Summarize the procedure to setting up Django REST Framework.	C05	Medium	8	Section-V	5
37	List and describe different User Authentication in Django REST Framework (DRF).	C05	Medium	8	Section-V	5



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38	Define and explain RESTful API.	C05	Easy	8	Section-V	5
39	What is an API Endpoint? How to create An API Endpoint With Django REST Framework?	C05	Medium	8	Section-V	5
40	Show how to use API View to handle Requests and Responses.	C05	Complex	8	Section-V	5