



**SILVER OAK
UNIVERSITY**
EDUCATION TO INNOVATION

**School of Technology, Design and Computer
Application**
Silver Oak College of Computer Application
Department of Computer Science
Bachelor of Science Computer Science & Information Technology

Semester:	5th	Academic Year:	2025-26
Course Name:	Integrated with Web Solutions - II	Course Code:	3040243302

Question bank

Sr. No.	Question Text	Marks
Unit No : Unit 1 & Unit 2		
1	Which pattern does Django follow? a) MVVM b) MVC c) MVP d) MVT	1
2	In Django, models are defined in which file by default? a) views.py b) models.py c) urls.py d) forms.py	1
3	Which command is used to create migrations in Django? a) makemodel b) makemigrations c) migratecreate d) startmigration	1
4	The Django admin interface can be customized by modifying which file? a) admin.py b) models.py c) views.py d) settings.py	1
5	Which method is used to save a model instance in Django? a) store() b) insert() c) save() d) commit()	1
6	In Django, the `render()` function is used to: a) Execute queries b) Send email c) Render templates with context d) Create models	1



7	Which HTTP method is used for updating an object in CRUD operations? a) GET b) POST c) PUT/PATCH d) DELETE	1
8	In Django, uploaded files are stored using the settings variable: a) MEDIA_URL b) MEDIA_ROOT c) FILE_PATH d) STATIC_ROOT	1
9	Which Django module handles user login and logout? a) django.auth b) django.contrib.auth c) django.sessions d) django.user	1
10	Which Django framework is used to display temporary success or error messages? a) Toasts b) Alerts c) Messages framework d) Notifications	1
11	Django signals are primarily used for: a) Inter-process communication b) Triggering actions on certain events c) Debugging d) Logging	1
12	In DRF, serializers are used for: a) Database migrations b) Converting complex data to JSON/XML c) Rendering templates d) Handling sessions	1
13	Which serializer type allows nested relationships in DRF? a) BasicSerializer b) NestedSerializer c) ModelSerializer d) HyperlinkedSerializer	1
14	In DRF, ViewSets combine: a) Models and Templates b) Views and Routers c) CRUD operations into a single class d) Signals and Middleware	1
15	DRF Routers are used to: a) Manage templates b) Automatically generate URL patterns for ViewSets c) Handle database queries d) Manage signals	1
16	Which DRF class controls access to API endpoints? a) Views b) Routers c) Permissions d) Middleware	1
17	JWT stands for: a) Java Web Tokens b) JSON Web Tokens c) JavaScript Web Transport d) JSON Writable Type	1
18	Which DRF package is used for JWT Authentication? a) django-rest-framework-jwt b) django-jwt-auth c) rest_framework_simplejwt d) jwt-drf	1



19	The default HTTP method allowed in DRF ViewSets is: a) GET b) POST c) GET, POST, PUT, DELETE d) Only GET and POST	1
20	In DRF, the 'is_authenticated' attribute belongs to: a) request.user b) request.session c) serializer.data d) view.router	1
21	In Django, which signal is triggered after a model instance is saved? a) pre_save b) post_save c) save_signal d) after_save	1
22	In DRF, which permission class grants read-only access to unauthenticated users but write access to authenticated users? a) IsAuthenticated b) IsAdminUser c) AllowAny d) IsAuthenticatedOrReadOnly	1
23	What does MVC stand for in Django context?	2
24	Which command applies migrations in Django?	2
25	What is the role of 'ModelSerializer' in DRF?	2
26	Name two built-in authentication classes in DRF.	2
27	What is the default port for Django's development server?	2
28	What is the use of Django signals? Give one example.	3
29	Define 'MEDIA_ROOT' and 'MEDIA_URL' in Django.	3
30	List different types of Permissions in DRF.	3
31	What is a Router in DRF?	3
32	Mention two advantages of using JWT Authentication.	3
33	Differentiate between Django Models and Migrations.	4
34	Write steps to customize Django Admin interface.	4
35	Explain CRUD operations in Django using Forms.	4
36	Describe Permissions in Django REST Framework with an example.	4
37	Explain the use of Nested Serializers in DRF.	4
38	Explain Django's MVT architecture with a diagram.	5
39	Describe the process of creating and applying migrations in Django.	5
40	Explain the steps to implement file upload in Django with media management.	5
41	Discuss Django's authentication system for login and logout functionality.	5
42	Explain Django REST Framework's ViewSets and Routers with an example.	5
43	Describe JWT Authentication using 'djanoestframework-simplejwt' with setup steps.	5



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44	Explain the role of Django templates in the MVT architecture with an example.	5
45	Describe the process of creating a custom user model in Django.	5
46	Explain how to handle file validation in Django forms.	5
47	Write token-based authentication vs session-based authentication in Django REST Framework.	5
48	Write the steps to implement API versioning in Django REST Framework.	5

Course Coordinator

Head of Department