nrollment No.:	



Darshan Institute of Engineering & Technology B.Tech. | Sem-4 | Summer-2024

: 13-04-2024 **Course Code** : 2101CS402 Date

Course Name			Application D	Development using		Duration Total Marks		150 Minutes
		Flutter			70			
 At Fig 	gures to	all the question the right indicable assumpti	cates maximu					
Q.1	(A)	Write a dart	program to ch	neck given nu	ımber is prim	e or not.		4
	(B)	Explain Null A	Aware (??) &	Bang(!) opera	ator in dart.			3
				C	OR			
	Explain nullable and non-nullable types in dart.							
	(C)	Explain pubs	pec.yaml file.					7
				C	OR			
		Explain Flutte	er Architectur	e.				
Q.2	(A)	Compare Stateless & Statefull widget.					4	
	(B) Explain Column widget with important attributes and examples.					d examples.		3
				C	OR			
		Discuss navig	ation betwee	n pages with	an example.			
	(C)	Write a flutter code to design screen as given below.				7		
		App bar						

App bar					

OR

Write a flutter code to use Stack widget and show text upon an Image.

Q.3	(A)	Write a program to initialize SharedPreferece and read (Username,Password) To Text Widget in screen.						
	(B)	Explain Future Builder with example.	3					
		OR						
		Explain the use of Shared Preferences.						
	(C)	Write a flutter code to insert Student details (sid, sname, saddress, sdesignation) in SQLite database.	7					
		OR						
		Write a flutter code to list product information (pid, pname, pcategory, pprice) from SQLite database.						
Q.4	(A)	Write a flutter code to list data from database into the List view (Ex: UserName).	4					
	(B)	Explain Rest-Api with example.	3					
		OR						
		Write the difference between restfull & restless api.						
	(C)	Explain different type of request in flutter rest api.	7					
		OR						
		Write a flutter code to get student result based on Enrollment no. using Rest API.						
Q.5	(A)	Write steps to connect physical device to personal computer for debug.	4					
	(B)	Explain permissions and how to declare it in Android & iOS.	3					
		OR						
		Explain Camera permission and usage in flutter with example.						
	(C)	Write steps to release app in PlayStore.	7					
		OR						
		Write steps to release app in AppStore.						