

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**BVoc DEGREE EXAMINATION MAY 2026
(Sixth Semester)**

Branch – NETWORKING AND MOBILE APPLICATION

FLUTTER & DART PROGRAMMING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Widgets are (i) Mutable (ii) Immutable (iii) Dynamic (iv) None	K1	CO1
	2	Render Object is used for (i) UI design (ii) Layout and painting (iii) Navigation (iv) Data storage	K2	CO1
2	3	Which data type is used to store true or false values? (i) int (ii) String (iii) bool (iv) double	K1	CO2
	4	Code reuse helps to (i) Increase errors (ii) Reduce duplication (iii) Increase size (iv) Slow performance	K2	CO2
3	5	Image widget loads images from (i) Network (ii) Assets (iii) Both (iv) None	K1	CO3
	6	Padding widget adds (i) Space inside (ii) Space outside (iii) Color (iv) Animation	K2	CO3
4	7	Animated Cross Fade is used for (i) Switching widgets (ii) Layout (iii) Input (iv) Storage	K1	CO4
	8	Navigator works based on (i) Queue (ii) Stack (iii) Tree (iv) Graph	K2	CO4
5	9	Card widget provides (i) Elevation (ii) Shape (iii) Shadow (iv) All	K1	CO5
	10	Responsive UI adapts to (i) Screen size (ii) Data (iii) Storage (iv) API	K2	CO5

Cont...

SECTION - B (35 Marks)Answer **ALL** questions**ALL** questions carry **EQUAL** Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Illustrate the steps to install Flutter SDK.	K2	CO1
		(OR)		
	11.b.	Compare the Stateless and Stateful widgets.		
2	12.a.	Classify different types of operators in Dart.	K2	CO2
		(OR)		
	12.b.	Explain widget structuring in projects.		
3	13.a.	Explain Text widget with example.	K2	CO3
		(OR)		
	13.b.	Explain decorator properties in widgets.		
4	14.a.	Analyse Animated Container widget.	K4	CO4
		(OR)		
	14.b.	Examine push() and pop() methods with examples.		
5	15.a.	Explain List View and its types.	K5	CO5
		(OR)		
	15.b.	When will you choose padding? Explain its importance with example.		

SECTION -C (30 Marks)Answer **ANY THREE** questions**ALL** questions carry **EQUAL** Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	How to create a new Flutter mobile app with hot reload?	K4	CO1
2	17	Explain object-oriented concepts in Dart. Explain any three with examples.	K2	CO2
3	18	Design a simple UI using Container, Row, Column, and Stack widgets.	K6	CO3
4	19	Explain navigation system in Flutter with suitable examples.	K2	CO4
5	20	Explain layout system and constraints in Flutter.	K2	CO5

Z-Z-Z

END