

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

PG DEGREE EXAMINATION DECEMBER 2025
(Third Semester)

TRANS DISCIPLINARY COURSE (Common to PG Programmes)

FOOD CHEMISTRY AND QUALITY CONTROL

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry **EQUAL** marks

$$(10 \times 1 = 10)$$

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks $(5 \times 7 = 35)$

Module No.	Question No.	Question	K Level	CO
1	11.a.	Classify the dietary fibre sources and its types. (OR)	K4	CO1
	11.b.	Explain the pectic substance, its occurrence and properties.		
2	12.a.	Explain oxidative rancidity and microbial rancidity. (OR)	K5	CO2
	12.b.	Predict the prevention methods of enzymatic browning.		
3	13.a.	Categorize the type of food colours and explain. (OR)	K4	CO3
	13.b.	Differentiate and explain the flavouring extracts and flavour intensifiers		
4	14.a.	Construct any three rating test methods. (OR)	K3	CO4
	14.b.	Ascertain the suitable objective method for volume measurement.		
5	15.a.	Explain about the roles and responsibilities of FSSAI. (OR)	K5	CO5
	15.b.	Compile the standards of Milk and Milk products.		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks $(3 \times 10 = 30)$

Module No.	Question No.	Question	K Level	CO
1	16	Summarize the Starch properties, gelatinization, retrogradation and dextrinization of starch.	K4	CO1
2	17	Explain the effect of cooking of chlorophyll, carotenoid and tannin.	K5	CO2
3	18	Point out the enzymes classes according to catalyzed reactions and their subclasses found in food.	K4	CO3
4	19	Outline about difference test and rating tests with score card.	K4	CO4
5	20	Examine 15 common adulterants contaminating foods and figure out the tests to detect them.	K5	CO5