PSG COLLEGE OF ARTS & SCIENCE

(AUTONOMOUS)

BVoc DEGREE EXAMINATION MAY 2024

(Fourth Semester)

Branch- FOOD PROCESSING TECHNOLOGY

FOOD CHEMISTRY					
Time: Three Hours				Maximum: 50 Marks	
SECTION-A (5 Marks) Answer ALL questions ALL questions carry EQUAL marks (5 x 1 = 5)					
1				1 to 7 1 to 14	
2				Maltose Ribulose	
3		Relate: Number of mg of KOH requal. (i) Saponification number (iii) RM value	(ii)		ds in a gram of a
4		Market and the second s	(ii)	s is used in Protein separation Size, shape, and electric classing Shape only	
5		* *	(ii)	s and vegetables Anthoxanthins All the above	
SECTION - B (15 Marks) Answer ALL Questions ALL Questions Carry EQUAL Marks (5 x 3 = 15)					
6	a b	OR			
7	a	OR			
8	b a		f mo	onosaccharides.	
9	b a	Classify lipids.	nuls	ification.	
	b	OR			

Cont...

23FPB421/18FPB16 Cont...

10 a Compare natural and artificial colours.

OR

b Classify pigments.

SECTION -C (30 Marks)

Answer ALL questions
ALL questions carry EQUAL Marks

 $(5 \times 6 = 30)$

- 11 a Enumerate the colloidal dispersions important in foods OR
 - b Highlight the properties of water.
- 12 a Summarize the process of gelatinization.

OF

- b Outline the classification of carbohydrates providing examples.
- 13 a Determine the physical properties of fats.

OR

- b Infer the changes in fat during cooking.
- 14 a Analyze the structure of protein.

OR

- b Classify proteins based on amino acid composition.
- 15 a Interpret the changes in the pigment-chlorophyll during processing.

OR

b Categorize flavor component of spices, milk, and cheese.

END