Total number of printed pages: Programme (UG)/6th /UFET611

2025

Food Product Technology-IV (Bakery, confectionary & extruded products)

Full Marks: 100

Time: Three hours

The figures in the margin indicate full marks for the questions.

Answer any five questions.

central Institute Of Technology Write the chocolate making process from cocoa beans. Why emulsifier 10+5+5=20 1. is important in chocolate as ingredient? What is conching? What is extrusion cooking? Write their types with specific 4+5+7+4=20 2. application/example. Write the chemical reactions that occur in food during extrusion cooking. Why extruded product puffs? 3. What is bran, germ and endosperm of wheat? 6 b) What are the main baking ingredients and additives for 10 bread/cake/biscuit? Write the steps of biscuit making. 4 4. How gluten network formation and starch gelatinization help to 8 develop texture of baked product? असतो मा सत गमग What is the role of emulsifier and stabilizer in dough development? b) 6 What is shelf life & storage stability? 6 5. How yeast is effective in bread making? Mention biochemical reaction 8 steps. What is baking powder? What is baking soda? What is the difference? 2+2+3+3+2=12 How do they act in leavening baked product? What is white bread mold? Write briefly: (All eight questions) 20 6. TBA(Thio-barbituric acid) method for estimation of storage stability of baked product Importance of Sodium monostearate in baking.

		Malliard Reaction	
		Cream of Tartar	
		Celiac disease	
		Glycemic index	
		Non-nutritive sugar	
		Staling of bread	
7.	a)	Write biscuit baking problems and solutions.	20

