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B.E. / B.TECH. DEGREE EXAMINATIONS, DEC 2019

Sixth Semester

CH16003 – FOOD TECHNOLOGY*(Chemical Engineering)***(Regulation 2016)****Time: Three Hours****Maximum : 100 Marks**Answer **ALL** questions**PART A - (10 X 2 = 20 Marks)**

	CO	RBT
1. Classify food processing industries in India.	1	R
2. Name few unit operations involved in food processing.	1	U
3. What are endogenous enzymes?	2	R
4. List the quality factors of food.	2	U
5. List different sorting/grading methods used in food industries.	4	R
6. Compare pasteurization and sterilization.	3	AN
7. List the factors that influence microwave heating .	2	U
8. Give the significance in food processing.	3	U
9. Classify the beverages.	3	U
10. List the advantages of freezing	3	AN

PART B - (5 X16 = 80 Marks)

11. (a) Give a detailed account of food requirements of the world population (16) 1 U
and discuss the current scenario of Indian food industries.
- (OR)**
- (b) What are the major constituents of foods? Explain in detail about its (16) 1 U
quality and nutritive aspects.
12. (a) Give a detailed account of quality assurance on food products and (16) 1 AP
the role of quality control agencies.

(OR)

- (b) What are food deteriorative factors? Explain the method of controlling the factors. (16) 1 AP
13. (a) What are common contaminants found in raw food materials? What are the different preservative techniques used in food industries? Explain in detail. (16) 3 AP
- (OR)**
- (b) (i) Write the significance of sterilization in food preservation and various food packing methods. (8) 3 U
- (ii) List out the advantages of drying and irradiation. (8) 3 U
14. (a) What is aseptic packaging? Explain the process of aseptic canning of fruit pulp. (16) 2 AP
- (OR)**
- (b) What is food irradiation and explain its various types. (16) 2 U
15. (a) Explain in detail about the processing of fruits and vegetables and preservation techniques involved. (16) 2 U
- (OR)**
- (b) Explain in detail about the beer brewing process and production of jam from fruits. (16) 2 U