

Total No. of printed pages = 4

FPT-602/FPT-II/6th Sem/2018/M

FOOD PRODUCT TECHNOLOGY – II

Full Marks – 70

Time – Three hours

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

PART – A

Marks – 25

Answer the following questions :

1. Define 'market milk'. 2
2. The usual temperature range of pre-heating for market-milk is _____ °C. 2
3. _____ refers to adjustment of SNF % in milk to a desired value. 1
4. The range of pressure used in homogenization is _____ . 2

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5. Butter contains _____% milk fat and about _____% moisture. 2
6. The particle size of spray-dried milk powder is _____ μm . 1
7. _____ and _____ should not be present in baby foods. 2
8. Define Extrusion. 2
9. Write two objectives of Homogenization. 2
10. As per PFA rule, cream should not have less than _____% milk fat. 2
11. Write the formula for calculation of % over-run in ice-cream making . 2
12. The brix value after clarification stage in sugar cane processing is _____. 2
13. Functions of CO_2 and acids in carbonated beverage are _____ and _____ respectively. 1.5+1.5=3

PART - B

Marks - 45

1. Explain about the 'cooling and storage' stages in market milk processing. 5
2. Explain the processing of butter or cheese. 5
3. Describe the drum-drying and spray-drying processes in milk powder processing. 3+3=6
4. Describe the processes of ageing and freezing in ice-cream processing. 2+2=4
5. Describe the principle of Baking. 5
6. Explain the working of Extruder. 5
7. Write notes on any *three* : 5×3=15
 - (a) Making of egg-powder
 - (b) Egg-based products (any three)
 - (c) Meat-based products (any three)
 - (d) Fish-based products (any three)

- (e) Any two steps of refining in sugar-cane processing
- (f) Starch derivatives/modified starch
- (g) Any four ingredients used in baking and their functions
- (h) Homogenizer
- (i) Baby foods
- (j) Breakfast cereals
- (k) Indigenous dairy products
- (l) Indigenous starch-based foods.