

Total No. of printed pages = 4

FPT-602/FPT-II/6th Sem/2017/N

FOOD PRODUCT TECHNOLOGY – II

Full Marks – 70

Time – Three hours

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

Answer *all* questions.

PART – A

Marks – 25

1. Butter has _____ % milk fat and _____ %
moisture. 2
2. Particle size of spray dried milk powder is
_____ to _____ μm . 1
3. The formula for % overrun of ice-cream is
_____. 1
4. Two examples of modified starch are _____ and
_____. 2
5. RS _____ is physically inaccessible or digestible
resistant starch. 1

[Turn over

6. Fermentation temperature used in processing of cocoa beans is _____ °C. 1
7. Gluten form _____ % of total proteins in wheat. 1
8. Bread is an example of product made from _____ (hard / soft) wheat. 1
9. The function of leavening agent in bakery products is to _____. 1
10. Cured meats contain _____ which controls the growth of _____. 2
11. In drum drying of milk, a thin coating of milk concentrate, _____ % dry matter is applied to the _____ drying drum. 2
12. Names of two starter cultures used in production of butter are _____ and _____. 2
13. Two types of fish oil are _____ and _____. 2
14. Milk of lime is a mixture of _____ and _____. 2
15. Fatless milk is known as _____ milk. 1
16. Write one function each for CO₂, water and acids in carbonated beverages. 1×3=3

PART - B

1. Explain the working of an extruder. 5
2. Define Standardization and Homogenization processes of milk. $2.5+2.5=5$
3. Explain the theory of Baking. 5
4. Write notes on any six : $5 \times 6 = 30$
 - (a) Starch-based indigenous products
 - (b) Ageing and hardening in Ice-cream
 - (c) Puffed and Snack products
 - (d) Ingredients required in the production of baby foods
 - (e) Indigenous dairy products
 - (f) Spray drying of milk
 - (g) Fish-based products
 - (h) Meat-based products
 - (i) Production of butter

- (j) Market milk and its production stages in brief
- (k) Any two continuous stages of cane sugar processing
- (l) Roasting, grinding and defatting in Cocoa processing.