Total number of printed pages-4

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53 (FPT 611) FPTC-IV

2016

FOOD PRODUCT TECHNOLOGY-IV

Paper : FPT 611

(Bakery, Confectionary and Extruded Products)

Full Marks : 100

Time : Three hours

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

Answer any five questions.

- 1. (a) Explain the working principle of an extruder with a representative diagram.
 - (b) Explain the principle of Baking process.
 - (c) Give two benefits of Sprouted grains.

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- (d) Write two advantages of extrusion process. 3
- (a) Describe any three equipment used in bakery industries.
 - (b) Explain the types of confectionary moulders. 6
 - (c) Explain various factors which effect the process of crystallization during confectionary processing.
- (a) Write a note on Breakfast Cereals and Macaroni products.
 7
 - (b) What is Fat Bloom? What is its cause and how can it be prevented? 1+1+2=4
 - (c) What is Falling Number test and how is it carried out?5
 - (d) What is pre-treatment in extrusion and what is its importance? 2+2=4

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- 4. (a) Write the complete procedure and inferences for Extensiograph. 8
 - (b) Write a note on Farinograph or Mixograph.
 8
 - (c) Explain the various types of leavening agents with their examples.
 4
- (a) Write a note on the application of extrusion technologies in food processing.
 - (b) Explain the processing of cocoa beans into various products with the flow diagram. 10
- 6. (a) Describe the production process of confectionary gum. 7
 - (b) Explain the effects of extrusion on the sensory and nutritional quality of foods.
 - (c) Write a note on Alveograph. 5

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7. Write notes on : (any four) 4×5=20

- Types of mixers (a)
- Types of extruders (b)
- Defects of crust and crumb (c)
- (d)CODEX and FSSAI Standards of chocolate manufacture
- Production of Corn-flakes (e)
- Functions of any five components in (f)bakery products.

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