Roll No. Total No. of Pages : 02

Total No. of Questions: 09

# M.Sc. (Food Technology) (2017 Batch) (Sem.-4) SNACK FOOD TECHNOLOGY

Subject Code: MSFT-621 M.Code: 75958

Time: 3 Hrs. Max. Marks: 60

#### **INSTRUCTIONS TO CANDIDATES:**

- 1. SECTION-A contains SIX questions carrying TWO marks each and students has to attempt ALL questions.
- SECTION-B consists of FOUR Subsections: Units-I, II, III & IV. Each Subsection contains TWO questions each carrying TWELVE marks each and student has to attempt any ONE question from each Subsection.

## **SECTION-A**

- 1. Write briefly on the following:
  - a Extrusion
  - b Conditioning
  - c Flaked cereals
  - d Roasted cereals
  - e Wafers
  - f Drying

## **SECTION-B**

## **UNIT-I**

- 2. a) Discuss various chemical and nutritional changes occur in food during the extrusion.
  - b) Discuss the post extrusion used to improve the quality of extruded products.
- 3. Define the basic principle of extrusion. Discuss in detail of various parts and working of single and twin screw extruders.

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## **UNIT-II**

- 4. a) Define breakfast cereals. Discuss the classification of breakfast, cereals.
  - b) Write brief on the processing of flaked and oven puffed cereals.
- 5. a) Discuss the detail of processing of texturized vegetable proteins.
  - b) Define junk and fried food. Discuss their impact on the human health.

### **UNIT-III**

- 6. a) Differentiate between toasting and roasting. Give the detail of formation of whole toasted grains.
  - b) Give the process of formation of sweetens puffed products.
- 7. a) Discuss the detail of process formation and packaging of papads.
  - b) Discuss the formulation and uses of instant premixes of Indian snacks food

## **UNIT-IV**

- 8. Write brief on the following equipment:
  - a) Frying
  - b) Flaking
  - c) Puffing
- 9. a) Discuss the detail of process formation and packaging of potato chips.
  - b) Discuss the detail of process formation and packaging of sweeten chikkies.

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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