	Utech
Name :	
Roll No.:	The transfer and trade of
Invigilator's Signature :	

CS/B.TECH(FT)/SEP.SUPPLE/SEM-7/FT-703C/2012 2012

UTILIZATION OF FOOD INDUSTRY REFUSE

Time Allotted: 3 Hours Full Marks: 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

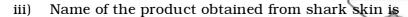
GROUP - A

(Multiple Choice Type Questions)

- 1. Choose the correct alternatives for the following: $10 \times 1 = 10$
 - i) The gas that can be produced from apple waste is
 - a) Nitrogen
 - b) Oxygen
 - c) Methane.
 - ii) The term PPC stands for
 - a) Peeled potato can
 - b) Potato protein concentrate
 - c) Purified potato concentrate.

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- a) Sha zema
- b) Sha green
- c) Shark coat.
- iv) Candied peel is mainly used
 - a) in confectionary
 - b) in dairy industry
 - c) in making citrus juices.
- v) Name the organ of animal which is not used as food product is
 - a) Liver
 - b) Tripe
 - c) Eyes.
- vi) The component which is used along with shell for nutritional enhancement is
 - a) Limestone
 - b) Silica gel
 - c) Glucose.
- vii) Zein is also known as
 - a) candy pleasure
 - b) gloss factor
 - c) confectioners glaze.
- viii) The DCTW have less amount of
 - a) Tannin content
 - b) Iron content
 - c) Polyphenol content.



- ix) The percentage of silica that is obtained from rice busk is
 - a) 18 %
 - b) 97 %
 - c) 90 %.
- x) During lactose production, the large crystal formation is
 - a) desirable
 - b) undesirable
 - c) bears no significance.

GROUP - B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

- 2. How can you prepare fish meal?
- 3. What are the various types of FPC? Give their uses.
- 4. What is apple pomace? Name any five industrially important components that you can produce from apple pomace.
- 5. Write a short note on 'marine beef'.

GROUP - C

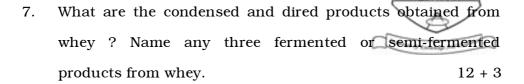
(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

6. Describe the method of preparation of Lactose from whey. What are the uses of lactose in industry? 10 + 5

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- 8. Give the applications of chitin and chitosan as an industrial material. How can you prepare nutritional enhancer food from shell? 10 + 5
- 9. Write notes on any *three* of the following: 5 + 5 + 5

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- a) Production of glue from sea waste
- b) C and G coated threads
- c) SCP from potato waste
- d) FPC A.

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