



Name :

Roll No. :

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.



- iii) Name of the product obtained from shark skin is
 - 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 husk 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 ? $10 + 5$



7. What are the condensed and dired products obtained from whey ? Name any three fermented or semi-fermented products from whey. 12 + 3
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
- 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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