

D 92855

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Name.....

Reg. No.....

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2015

(CUCBCSS—UG)

Core Course—Food Technology

FTL 1B 01—PERSPECTIVES OF FOOD SCIENCE AND TECHNOLOGY

Time : Three Hours

Maximum : 80 Marks

A. Objective type (*All questions are compulsory*) :

Multiple choices :

1 Milk is rich in :

- | | |
|-----------------|-------------------|
| (a) Fat. | (b) Protein. |
| (c) Carotenoid. | (d) Carbohydrate. |

2 Sorbic acid is a :

- | | |
|----------------------|-----------------------|
| (a) Preservative. | (b) Flavour enhancer. |
| (c) Bleaching agent. | (d) Thickening agent. |

3 The major Food Research Centre in New Delhi is :

- | | |
|------------|-------------|
| (a) CFTRI. | (b) NIFTEM. |
| (c) IICPT. | (d) CIFT. |

4 Trehalose is a :

- | | |
|---------------------|--------------------|
| (a) Monosaccharide. | (b) Trisaccharide. |
| (c) Polysaccharide. | (d) Protein. |

Fill in the blanks:

- 5 Salt is a _____.
- 6 _____ is a root spice.
- 7 _____ is milk protein.
- 8 _____ is an artificial sweetener.
- 9 _____ is fat soluble vitamin.
- 10 Carotenoid is a _____ soluble pigment.

(10 × 1 = 10 marks)

B. Short Answer Type Questions (Answer any *five* questions) :

- 11 What is inversion of sugar ?
- 12 What is the difference between a fat and an oil ?
- 13 Write the composition of an oil seed.

Turn over

- 14 What are the flavour enhancers give *two* examples.
- 15 How do you define an organic food ?
- 16 What are anticaking agents ? give examples.
- 17 What are the methods used for preservation of milk ?

(5 × 2 = 10 marks)

C. Short Essay or Paragraph Questions (Answer any *six* from eight) :

- 18 GM Foods.
- 19 Processing of Meat.
- 20 Microbial quality standards for drinking water.
- 21 Fish Processing.
- 22 Nutritive value of a food.
- 23 Artificial Sweeteners.
- 24 Composition of Fruits.
- 25 Hedonic scale and ranking test.

(6 × 5 = 30 marks)

D. Essay (Answer any *two*) :

- 26 Write about classification of fruits and vegetables. Explain the differences in composition of fruits and vegetables.
- 27 Write on composition and nutritive value of Pulses and legumes with an example.
- 28 What are Food Additives ? Give an example for each group of additives.
- 29 Explain the activities of any *three* Major Food Research Centres of India.

(2 × 15 = 30 marks)