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(Pages : 2)

Name.....

Reg. No.....

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2017

(CUCBCSS—UG)

Food Technology

FTL 1B 01—PERSPECTIVES OF FOOD SCIENCE AND TECHNOLOGY

(2017 Admissions)

Time : Three Hours

Maximum : 80 Marks

A. Answer the following, *all* questions. Each question carries 1 mark.

- 1 Pulses are rich in ——— amino acid
- 2 Cereals are deficient in ——— amino acid
- 3 Why milk is called complete food.
- 4 What are the substitutes of meat for vegetarians.
- 5 Nuts and oilseeds are rich sources of ———.
- 6 Rice bran is a good source of ———.
- 7 Fish oil is rich source of ———.
- 8 Which fraction of wheat is used for oil extraction ?
- 9 Why spices give aroma and taste.
- 10 Define food emulsifiers.

(10 × 1 = 10 marks)

B. Answer the following in short, any *five* questions. Each question 2 marks

- 11 Define sensory science and its scope.
- 12 Define flavour of foods and with examples.
- 13 Give classification of food preservatives.
- 14 What are the natural sweeteners and their significance ?
- 15 What do you mean by leavening agents and their applications ?
- 16 Give the classification of fruits.
- 17 What do you mean by food structure and its significance to food ?

(5 × 2 = 10 marks)

Turn over

C. Write a short essay on the following, any *six* questions. Each question carries 5 marks.

- 18 Define Food, Food science and Technology and its scope with functions of Food.
- 19 Write short essay on functional foods.
- 20 Write short essay on G. M. foods.
- 21 Write short essay on organic foods.
- 22 Write short essay on prebiotic foods.
- 23 Write short essay on probiotic foods.
- 24 Write short essay on nutraceutical foods.
- 25 Write short essay on food nutrients and significance.

(6 × 5 = 30 marks)

D. Write an essay on the following in detail, any *two* questions. Each question carries 15 marks

- 26 Write an essay on food quality and assessment.
- 27 Give a detailed perspective on food additives as budding Food Scientist and Technologist.
- 28 Write in detail about food research and food technology updates with reference to major centres, food industries, journals and associations.
- 29 Give detailed account on composition and nutritive value of wheat, rice, pulses, nuts, meat, fish, milk, fruits, vegetables and spices.

(2 × 15 = 30 marks)