

Reg. No. :

D 2588

Q.P. Code : [D 09 PBO 10]

(For the candidates admitted from 2009 onwards)

M.Sc. DEGREE EXAMINATION, MAY 2012.

Second Year

Botany

FOOD SCIENCE AND NUTRITION (Spl. Paper)

Time : Three hours Maximum : 100 marks

Answer any FIVE of the following.

All questions carry equal marks.

(5 × 20 = 100)

1. Write a brief account on :
 - (a) Recommended food allowances for Indians. (10)
 - (b) Balanced diets. (10)

2. Explain the following :
 - (a) Processing methods of grams. (10)
 - (b) Processing methods of nuts. (10)

3. Discuss the following :

- (a) Therapeutic diets. (10)
 - (b) Malnutrition. (5)
 - (c) Kwashiorkor. (5)
4. Write an account of nutritional importance of vitamins. (20)

5. Explain the following :

- (a) Nutritional importance of carbohydrates. (10)
- (b) Nutritional importance of protein and lipids. (10)

6. Write a brief account on :

- (a) Evaluation of nutritive values of proteins. (10)
- (b) Role of fats in atherosclerosis. (10)

7. Write short notes on :

- (a) Nutritional importance of minerals. (10)
- (b) Toxic amino acids. (5)
- (c) Haemagglutinins. (5)

8. Explain the following :

- (a) Allergens. (5)
- (b) Saponins. (5)
- (c) Carcinogen. (5)
- (d) Cyanogens. (5)