

S.No. 1771

12UBTS04

(For the candidates admitted from 2012–2013 onwards)

B.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

Fifth Semester

Bio–Technology

SBEC – FOOD BIOTECHNOLOGY

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is pasteurization?
2. Define Food contaminants with an example.
3. Explain about food colors and give example for artificial and natural colors.
4. What are the three types of flavoring agents?
5. Expand USDA.
6. What is food engineering?
7. Explain about FSSA.

8. What are the two methods of processing plants?
9. What is fabrication?
10. Explain pest proofing.

PART B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write about food contaminants in general.

Or

- (b) Give an account on role of bacteria in food.

12. (a) Write a note on carotenoids and anthocyanins

Or

- (b) Explain briefly about artificial colourants.

13. (a) What are the characteristics of food raw materials?

Or

- (b) What are the methods of cleaning food raw materials?

14. (a) Write about food quality factors for consumer safety.

Or

- (b) What are the food safety standards?

15. (a) What is fumigation? Explain briefly.

Or

- (b) Explain briefly about fabrication of equipment in plant design.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions out of five questions.

16. What is food preservation and what are the types of food spoilage?
17. What is called food borne diseases? Explain any two diseases in detail.
18. Write a note on sorting and grading of food.
19. Give a detailed account on food quality.
20. Explain in detail about the quality and quantity concerns in supplying water to food processing unit.