

M. Sc. DEGREE EXAMINATION, APRIL 2019
BIOTECHNOLOGY
FOURTH SEMESTER

COURSE : CORE
PAPER : FOOD AND PHARMACEUTICAL BIOTECHNOLOGY
TIME : 3 HOURS **MAX. MARKS: 100**

SECTION – A

ANSWER ALL THE QUESTIONS.

(20 x 1 = 20)

1. Mention any two processed food.
2. Define the term 'red meat' citing examples.
3. What is yoghurt?
4. Define pasteurization.
5. List any two physical methods of food preservation.
6. How do you pack dried foods?
7. List the intrinsic factors that affect microbial growth in food.
8. What is the role of redox potential in food spoilage?
9. Name few eco friendly packaging material used in the food industry?
10. What is Salmonellosis?
11. What are mycotoxins?
12. How are biosensors used in food industry?
13. Mention the methods of administration of drugs.
14. What is Blood Brain Barrier?
15. Mention the role of an analgesic citing examples.
16. What are antipyretic drugs?
17. What is tablet punching?
18. List any two drug formulations.
19. How are liposomes used in drug delivery?
20. Define nanomedicine.

SECTION – B**ANSWER ANY 4 QUESTIONS IN ABOUT 600 WORDS****(4 x 10 = 40)**

21. Explain the methods of processing and refining of edible oils.
22. Discuss about the salting and pickling process in food preservation.
23. Write a note on the process of canning of foods and its benefits.
24. Give a detailed essay on GM foods.
25. Write an essay on pharmacokinetics.
26. Explain the methods of producing compressed tablets?
27. Elaborate on the chemical and physical properties of food that aids in microbial growth.

SECTION – C**ANSWER ANY TWO QUESTIONS IN ABOUT 1500 WORDS****(2 x 20 = 40)**

21. Elaborate on the types of chemical preservatives used in the food industry.
22. Write an essay on food borne diseases and ways to control it.
23. Discuss about the classification of drugs.
24. Explain the methods of drying foods.
