

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (Food Technology) (Sem.-7)
NUTRACEUTICAL AND FUNCTIONAL FOODS

Subject Code : BTFT-703

M.Code : 90966

Date of Examination : 04-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

- a) Difference between Nutraceutical and Functional Foods with example
- b) Differentiate between Probiotic and Prebiotic with examples
- c) Name the dairy products which acts as probiotics along with their benefits.
- d) What are the functional properties of alcoholic beverages?
- e) What are the various ingredients of coffee which acts as functional foods?
- f) What do you understand by supplements? Give few examples also
- g) What are the sources of dietary fibers which acts as functional foods?
- h) How are the various nutraceuticals classified along with examples?
- i) How are the various plant pigments classified?
- j) What are the sources of essential fatty acids? How they act as functional foods?

SECTION-B

2. What are Phytochemicals? What are the sources of terpenes and their role in health?
3. How are the resistant starches classified? How are they act as functional foods?
4. What is the effect of processing on functional properties of tea leaves?
5. Enlist the various herbs along with their functional properties.
6. How are the different cereals acts as functional foods?

SECTION-C

7. What are the bioactive peptides? What are their sources and explain their health benefits?
8. Explain in detail the application of nutraceuticals against cancer, heart diseases and stress.
9. Explain the regulatory issues associated with nutraceutical and functional foods from India perspective.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.