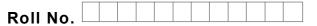
FirstRanker.com

www.FirstRanker.com

www.FirstRanker.com



Total No. of Pages : 01

Total No. of Questions : 8

M.Tech. (Food Technology) (2018 Batch) (Sem.–2) NUTRACEUTICALS AND FUNCTIONAL FOODS Subject Code : MTFT-527-18 M.Code : 76127

Time: 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

- 1. Attempt any FIVE questions out of EIGHT questions.
- 2. Each question carries TWELVE marks.
 - 1. What are functional foods? What are some examples of functional foods? Discuss their importance and health benefits.
 - 2. Define Nutraceuticals. Write detailed note on role of nutraceuticals for specific situations along with suitable examples.
 - 3. Define Phytochemicals. Discuss in detail the different classes of phytochemicals and explain their role as nutraceuticals.
 - 4. Discuss the role of cereal products as functional foods along with suitable examples and their health benefits.
 - 5. What is the working principle of Ultrasound-assisted extraction? Discuss the application of Ultrasound-assisted extraction for the extraction of phytochemicals.
 - 6. How phytochemicals can be useful in development of functional foods? Discuss the effect of environmental conditions on activity of bioactive compounds in food matrix.
 - 7. What are probiotics? Discuss the features of probiotic microorganisms and write detailed note on their health benefits.
 - 8. Discuss the marketing and regulatory issues for functional foods and nutraceuticals.

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.