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Total No. of Pages : 02

Total No. of Questions : 09

M.Sc. (Food Technology) (2018 Batch) (Sem.-1)
NUTRACEUTICALS AND FUNCTIONAL FOODS

Subject Code : MSFT-517-18

M.Code : 75597

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A contains SEVEN questions carrying TWO marks each and students have to attempt ALL questions.
2. SECTION-B consists of FOUR Subsections : Units-I, II, III & IV. Each Subsection contains TWO questions each carrying FOURTEEN marks each and student has to attempt any ONE question from each Subsection.

SECTION-A

1. Answer the following :

- a. Define nutrition.
- b. What are free radicals?
- c. Name two isoflavones commonly found in soya products.
- d. Give examples of commonly used probiotic strains.
- e. Can beverages act as functional foods?
- f. Name the nutraceutical substance present in turmeric.
- g. What do you mean by the term hypertension?

SECTION-B

UNIT-I

2. Discuss the historical perspectives of nutraceuticals. Also discuss key issues of Indian foods industry in relevance to nutraceuticals.
3. Discuss the classification of functional foods along with suitable examples.

UNIT-II

4. How nutraceuticals can be helpful in bridging the gap between food and drugs? Justify your answer.
5. Describe the role of fruits and vegetables as potential source of functional food ingredients with suitable examples.

UNIT-III

6. Describe the role of coffee as functional foods. List the various bioactive compounds present in coffee along with their proactive effects.
7. Enlist four names of spices. Discuss the health promoting activities of spices.

UNIT-IV

8. Discuss in detail about the different anti-nutritional factors present in various foods with suitable examples.
9. What are the various marketing and regulatory issues for functional foods and nutraceuticals? Discuss in detail.

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.