

Roll No.

Total No. of Pages : 02

Total No. of Questions : 06

**M.Pharmacy (Regulatory Affairs) (Sem.-2)**  
**REGULATORY ASPECTS OF FOOD & NUTRACEUTICALS**

**Subject Code : MRA-204T**

**M.Code : 79819**

**Date of Examination : 12-07-22**

**Time : 3 Hrs.**

**Max. Marks: 75**

**INSTRUCTIONS TO CANDIDATES :**

1. Attempt any FIVE questions out of SIX questions.
2. Each question carry FIFTEEN marks.

**1. Answer very briefly :**

- a) What are medical foods? Give two examples. (2)
  - b) What are essential amino acids? Give examples. (2)
  - c) What are dietary supplements? What is their use? (2)
  - d) Mention the label requirements for dietary supplements. (2)
  - e) Mention the role and recommended daily intake of zinc and potassium. (2)
  - f) Mention the natural dietary sources of iron and calcium. (2)
  - g) Mention the diseases / disorders due to dietary deficiency of Calcium, Vit C and Iron. (3)
2. a) What is EFSA? Give an overview of its functions. (7.5)
  - b) Give an account of the dietary reference values set by EFSA for carbohydrates, sugar and dietary fibre. (7.5)
3. a) Distinguish between functional foods and medical foods, giving suitable examples. Briefly explain the importance of nutraceutical market. (7.5)
  - b) What is NSF International and its purpose? Enlist the information to be submitted for NSF registration of dietary supplements. (7.5)

4. a) Highlight the WHO guidelines for iron and folic acid supplementation in pregnant women. (7.5)
- b) Summarize the essential nutrition actions suggested by WHO to prevent malnutrition. (7.5)
5. a) What is FSSAI and what are its functions? Give an overview of its organizational structure. (7.5)
- b) Highlight the FSSAI regulations on prohibited advertisements and unfair trade practices. (7.5)
6. Write **short notes** on :
- a) EU directives related to presence of allergens and intolerant ingredients on food labels. (5)
- b) RDA in India for calcium and iron. (5)
- c) Novel food ingredients. (5)

**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.**