

Roll No.

Total No. of Pages :02

Total No. of Questions : 13

B.Pharmacy (Sem.-8)

DIETARY SUPPLEMENTS & NUTRACEUTICALS

Subject Code :BP-812ET

M.Code : 79775

Date of Examination : 10-01-2023

Time : 3 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **THREE** questions carrying **TEN** marks each and student has to attempt any **TWO** questions.
3. **SECTION-C** contains **NINE** questions carrying **FIVE** marks each and student has to attempt any **SEVEN** questions.

SECTION-A

1. Write briefly :

- a) What is Vit E, its functions and its dietary sources?
- b) What is glutathione and its cellular functions?
- c) What is Vit C and what are its dietary sources? Name the diseases due to its deficiency.
- d) Give four examples of foods that are rich in dietary fibre.
- e) What are isoflavones? Mention their role in human health and give two examples of foods rich in isoflavones.
- f) What is Resveratrol? Mention its role as phytonutrient.
- g) What are the constituents of soyabean?
- h) What is Naringin? Name the dietary source of naringin and its use.
- i) What is the dietary source of Beta carotene and what is its function?
- j) What are lignans and their natural sources?

SECTION-B

2. Classify nutraceuticals and give examples of each class. Comment on the dietary intake for preventing diabetes.
3. Give a detailed account of the methods used for educating the citizens about healthy nutrition and diseases occurring due to unhealthy diet.
4. How are reactive oxygen species produced in cells? Enumerate the effects of free radicals on cellular processes and the role of dietary intake in preventing them.

SECTION-C

5. Outline the various pharmacopeial specifications for dietary supplements.
6. Give an account of alpha-lipoic acid and its role in cellular process.
7. What is inflammation? How free radicals can prevent inflammation and its effects?
8. Briefly comment on complex carbohydrates as functional food.
9. What are flavonoids? Comment on their role in cellular health.
10. Give a brief note on dietary intake for preventing cancer.
11. Briefly discuss the dietary intake rich in proteins and the role of proteins in health.
12. Comment on the role of oil soluble vitamins and their dietary sources.
13. What are the dietary sources influencing stress in individuals?

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