

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 7 EXAMINATION – SUMMER -2019

Subject Code: 2270008**Date: 20-05-2019****Subject Name: Nutraceuticals****Time: 02:30 PM TO 05:30 PM****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Discuss on Historical prospective and scope & future prospects of Nutraceuticals. **06**
(b) Give the classification of Nutraceuticals and discuss current market trends of Nutraceuticals. **05**
(c) Write note on source of Nutraceuticals with suitable examples. **05**
- Q.2** (a) Write a note on Soy proteins and soy isoflavons as Nutraceutical supplements in human health. **06**
(b) Discuss the role of Green tea and lycopene in human health **05**
(c) Write a short not on followings(Any Two) **05**
i. Lecithin ii. Flaxseed iii. Grape products iv. Spirulina
- Q.3** (a) Discuss on Bio-availability enhances of herbal origin with suitable examples. **06**
(b) Write a note on labeling requirement of various Nutraceutical products. **05**
(c) Write brief note on DSHEA act. **05**
- Q.4** (a) Write a not on various food remedies and nutritional requireemnt in treatment liver disorders. **06**
(b) Discuss various food remedies beneficial for the management of Nephrological disorders. **05**
(c) Write a short note on Nutritional food remedies on followings (Any Two) **05**
i. Hypoglycemia ii. Psoriasis iii. Brochitis
- Q.5** (a) Write a note on regulatory requirement of toxicity study on Nutraceutical products. **06**
(b) Discuss the health effect of common Ginseng and Fish oils. **05**
(c) Write a note on Herbal Health Drinks. **05**
- Q. 6** (a) Explain the term Prebiotics and Probiotics. Write a brief note on it. **06**
(b) Discuss the various benefits of Milk and dairy products as functional foods. **05**
(c) Write a note on Dietary fibers and cereals as health food. **05**
- Q.7** (a) Write a short note on cGMP requirements of Nutraceutical products. **06**
(b) Write a note on food remedies used in following disease (Any one) **05**
i. Arthritis ii. Circulatory problems
(c) Discuss on health effect of Common beans and Garlic. **05**
