

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.

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|-------------|---|-----------|
| 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)
i. Lecithin ii. Flaxseed iii. Grape products iv. Spirulina | 05 |
| 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)
i. Hypoglycemia ii. Psoriasis iii. Brochitis | 05 |
| 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)
i. Arthritis ii. Circulatory problems | 05 |
| | (c) Discuss on health effect of Common beans and Garlic. | 05 |
