

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm - SEMESTER-VII • EXAMINATION – SUMMER-2017

Subject Code: 2270008

Date: 10/05/2017

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) | Define Nutraceuticals, classify it illustrating suitable examples, and elaborate enzymes. | 06 |
| | (b) | Write a note on health food used in circulatory problems. | 05 |
| | (c) | Describe in detail health benefits of Garlic. | 05 |
| Q.2 | (a) | Give historical aspects and development of Nutraceuticals. | 06 |
| | (b) | Give the differences between Probiotics and Prebiotics. | 05 |
| | (c) | Write a brief note on Dietary Fibers. | 05 |
| Q.3 | (a) | Write about the botanicals used in prevention and treatment of Diabetes. | 06 |
| | (b) | Enumerate mechanism of action, advantages and methods of biopotential. | 05 |
| | (c) | Give a note on supplements used for prevention of Bronchitis. | 05 |
| Q.4 | (a) | Explain about Nutraceuticals used as therapeutic agents in Liver disorders. | 06 |
| | (b) | Write note on counterfeit prevention in nutraceuticals emphasizing on – REID. | 05 |
| | (c) | Write notes on piperine and cow urine as bio-availability enhancers. | 05 |
| Q.5 | (a) | Explain nutritional content of seafood. | 06 |
| | (b) | Describe in detail “Ginseng as a nutraceutical”. | 05 |
| | (c) | Write a note on health benefits of chlorophyll. | 05 |
| Q. 6 | (a) | Give Guidelines for chronic toxicity studies of Nutraceuticals. | 06 |
| | (b) | Write salient features on plastic containers in Nutraceuticals. | 05 |
| | (c) | Write a note on health benefits of Flaxseed. | 05 |
| Q.7 | (a) | Write a note on Current Good Manufacturing Practices for nutraceutical products. | 06 |
| | (b) | Discuss about the botanicals used in treatment of ulcer. | 05 |
| | (c) | Describe role of Taurine as an ingredient of Energy Drinks. | 05 |
