

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. - SEMESTER-7 • EXAMINATION – SUMMER -2018

Subject Code: 2270008

Date: 01/06/2018

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 with suitable examples. | 06 |
| | (b) Discuss current trend in Nutraceutical industry. | 05 |
| | (c) Write a note on Ginseng as health food. | 05 |
| Q.2 | (a) Explain DSHEA in detail. | 06 |
| | (b) What are the health foods? Write a note on dietary fibers. | 05 |
| | (c) Discuss cGMP guideline for Nutraceuticals. | 05 |
| Q.3 | (a) Discuss relation of Nutraceutical Science with other Sciences. | 06 |
| | (b) Discuss probiotics and prebiotics. | 05 |
| | (c) Discuss on various health benefits of milk and dairy products. | 05 |
| Q.4 | (a) Explain the role of nutraceuticals in Osteoporosis and ulcers. | 06 |
| | (b) Explain the role of nutraceuticals in hypoglycaemia and arthritis. | 05 |
| | (c) Give sources and discuss health effects of capsicum annum and mustards in human health. | 05 |
| Q.5 | (a) Write a note on flaxseed, Soy proteins and soy isoflavones as nutraceutical. | 06 |
| | (b) Write a note on lecithin and mushroom extract as nutraceutical. | 05 |
| | (c) Write a note on melatonin and grape products as nutraceutical. | 05 |
| Q. 6 | (a) Write short note on Herbal beverages and drinks as health drink. | 06 |
| | (b) Write a note on bio-availability enhancer. | 05 |
| | (c) Explain packaging and labeling requirements for nutraceuticals products. | 05 |
| Q.7 | (a) Discuss nutraceutical remedies for Neurological disorder. | 06 |
| | (b) Write a note on spirulina and lycopene as food supplement. | 05 |
| | (c) Write a note on Garlic and Fish oil as health food. | 05 |
