

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM- SEMESTER-VII • EXAMINATION – WINTER-2016

Subject Code: 2270008**Date: 29/11/2016****Subject Name: Nutraceuticals****Time: 10.30 am to 01.30 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) Write a note on various food supplements use as remedies for the hyperglycemia. **06**
(b) Discuss nutraceutical remedies for Neurological disorder. **05**
(c) Write a note on various mode of enhancing the bio-availability of drugs. **05**
- Q.2** (a) Write a note on permission enhancer's of drugs from herbal origin with suitable examples. **06**
(b) Explain toxicity studies and regulatory guidelines for nutraceuticals. **05**
(c) Discuss in detail about herbal health drinks. **05**
- Q.3** (a) What are the health foods? Write a note on dietary fibers. **06**
(b) What is probiotics and prebiotics? Discuss on probiotics and prebiotics or vegetable origin. **05**
(c) Discuss on various health benefits of milk and dairy products. **05**
- Q.4** (a) Write a note on health benefits of Garlic. **06**
(b) Explain the role of nutraceuticals in osteoporosis and liver disorder. **05**
(c) Explain glucosamine as nutraceutical supplement. **05**
- Q.5** (a) Give the definition of Nutraceuticals. Classify it with suitable examples. **06**
(b) Discuss brief about sources of Nutraceuticals. **05**
(c) Write health benefits of citrus fruits. **05**
- Q. 6** (a) Explain DSHEA in detail. **06**
(b) Write a note on spirulina and lycopene as food supplement. **05**
(c) Discuss applied aspects of Nutraceutical science. **05**
- Q.7** (a) Explain global regulatory agencies and bodies for Nutraceuticals. **06**
(b) Discuss cGMP guideline for Nutraceuticals. **05**
(c) Explain packaging and labeling requirements for nutraceuticals products. **05**
