

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

Subject Code: 2270008
Subject Name: Nutraceuticals
Time: 10.30 am to 01.30 pm

Date: 29/11/2016
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
