

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER-VII • EXAMINATION – WINTER -2021

Subject Code: 2270008**Date: 06/12/2021****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.**

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| Q.1 | (a) Give historical aspects and development of Nutraceuticals. | 06 |
| | (b) Explain about role of Vitamins as Health supplements. | 05 |
| | (c) Discuss about the botanicals used in treatment of Liver disorder. | 05 |
| Q.2 | (a) Give chemical classification of Nutraceuticals citing examples and health benefits. | 06 |
| | (b) Write a note on Dietary Fibres. | 05 |
| | (c) Differentiate between Probiotics and Pribiotics. | 05 |
| Q.3 | (a) Write explanatory note on FSSAI. | 06 |
| | (b) Briefly explain “Enzyme as Nutraceuticals”. | 05 |
| | (c) Describe in detail health benefits of Ginseng. | 05 |
| Q.4 | (a) Explain in brief about Spirulina. | 06 |
| | (b) Describe in detail about Green tea as nutraceuticals. | 05 |
| | (c) Write a note on Nutraceuticals for Arthritis. | 05 |
| Q.5 | (a) Write a note on health benefits of Citrus fruits | 06 |
| | (b) Discuss about Global regulatory agencies for nutraceuticals. | 05 |
| | (c) Give a introductory note on cGMPs for nutraceuticals | 05 |
| Q. 6 | (a) Give a note on supplements used for prevention of Diabeties. | 06 |
| | (b) Explain drugs and their role as Bio-availability enhancers. | 05 |
| | (c) Discuss current trends of Nutraceutical packaging. | 05 |
| Q.7 | (a) Describe in detail health benefits of Garlic. | 06 |
| | (b) Explain in brief role of Chlorophyll in human health. | 05 |
| | (c) Give a note on Health drinks. | 05 |
