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**BP-804T(E)/PY-804 (E)-CBGS**

**B.Pharmacy VIII Semester (PCI Scheme)/  
(Non-PCI Scheme)**

Examination, June 2020

**Choice Based Grading System (CBGS)**

**Dietary Supplements and Nutraceuticals**

*Time : Three Hours*

*Maximum Marks : 75*

**Note:** i) Attempt any five questions.

ii) All questions carry equal marks.

1. What are functional food, nutraceuticals, and dietary supplements? Write the classification of nutraceuticals along with its health problems and diseases or prevented and cured by nutraceuticals.
2. Write the source, marker compound, chemical nature, medicinal use and health benefits of spirulina and soyabean.
3. Write in detail about occurrence, chemical nature and medicinal benefits of carotenoids and sulphides.
4. Discuss in detail about processing, storage and interaction of various environmental factors on the potential of nutraceuticals.
5. a) Write a note on function foods for chronic disease prevention.  
b) Discuss Pharmacopoeial specifications for dietary supplements and nutraceuticals.

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6. Write the role and importance of free radicals in diabetes mellitus, inflammation, cancer and atherosclerosis.
7. What is Nutrition? Discuss in detail about public health, maternal and child and ageing nutrition.
8. Write in detail about occurrence, chemical nature and medicinal benefits of flavonoids and phyto estrogens.

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