

Paper Id:

Roll No.

<https://pharmacyindia.co.in/>

B PHARM
(SEM VIII) THEORY EXAMINATION 2022-23
DIETARY SUPPLEMENTS AND NUTRACEUTICALS

Time: 3 Hours

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Total Marks: 75

Note: 1. Attempt all Sections.

SECTION A

1. Attempt all questions in brief. 10 x 2 = 20

- What are Nutraceuticals?
- Write the uses of Lycopene
- Define free radicals. Give example <https://pharmacyindia.co.in/>
- Give the example of synthetic antioxidants.
- Write the importance of MPO on food safety.
- Differentiate between prebiotics and probiotics.
- Mention the source and uses of Flaxseeds.
- List out the nutraceuticals for child health. <https://pharmacyindia.co.in/>
- Write the health benefits of Lycopene and Xanthophylls
- What are reactive oxygen species? Give examples.

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SECTION B

2. Attempt any two parts of the following: 2 x 10 = 20

- Define public health. Discuss the Nutraceuticals and dietary supplements used in maternal and child nutrition
- Classify phytoestrogen. Write their characteristic features and occurrence .
- Describe the free radical-induced pathogenesis of atherosclerosis and ischemic reperfusion injury.

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SECTION C

3. Attempt any five parts of the following: 7 x 5 = 35

- Mention the source, Name of marker compounds, their chemical nature, uses, and health benefits of Garlic.
- Classify polyphenolics and write about their occurrence and their biological properties.
- Enumerate the role of free radicals in the pathogenesis of Diabetes mellitus.
- Discuss Pharmacopeial Specifications for dietary supplements and nutraceuticals
- Discuss the free radicals mediated damage of carbohydrates and nucleic acid.
- What are functional foods? Write the sources, marker compounds, medicinal uses, and health benefits of Spirulina. <https://pharmacyindia.co.in/>
- What are antioxidants? Classify them; explain the biological role of endogenous enzymatic antioxidant.

