

Rajiv Gandhi University of Health Sciences, Karnataka

VIII Semester B. Pharm Degree Examination – 20-Jun-2024

Time: Three Hours

Max. Marks: 75 Marks

DIETARY SUPPLEMENTS AND NUTRACEUTICALS

Q.P. CODE: 5044

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary
All the Questions are compulsory

LONG ESSAYS

2 x 10 = 20 Marks

1. Explain in detail about marker compounds, medicinal uses, source, health benefits of Soya bean and Broccoli
OR
What are fat soluble vitamins? Write a note on their occurrence and medicinal uses.
2. Describe the free radical induced pathogenesis of atherosclerosis and ischemic reperfusion injury.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Differentiate between polyphenols and flavonoids.
OR
Write about nutraceuticals and dietary supplements used for management of diabetics.
4. Write a note on prebiotics and probiotics
OR
Explain the process of lipid peroxidation and its impact.
5. Explain the role of complex carbohydrates as functional foods along with examples.
6. What are synthetic antioxidants? Write their mode of action and uses.
7. Enlist various endogenous and exogenous antioxidants. Write the biological role of superoxide dismutase.
8. Define adulteration. Explain the types and causes of food adulteration.
9. Explain the impact of processing condition on nutraceuticals.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Write the dietary supplements used to prevent ageing.
11. Write health benefits of Rutins.
12. Write health benefits of α and β -Carotene.
13. Write the uses of sea food as functional food.
14. Write the health benefits of dietary fibres.
15. Mention the methods used for estimation of free radicals.
16. Write the biological actions of catalase.
17. Write the importance of Meat Product Order (MPO) on food safety.
18. What are regulations under which FSSAI function in India?
19. Write the role of FPO.
