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B.VOC. DEGREE EXAMINATION, JULY 2019**Fourth Semester**

Core Course—FUNCTIONAL FOODS AND NEUTRACEUTICALS

(For B.Voc. Degree in Food Processing Technology)

Time : Three Hours

Maximum : 80 Marks

Part A (Short Answer Questions)*Answer all questions.**Each question carries 1 mark.*

Write short notes on :

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|-----------------------------|-------------------|
| 1. Chemopreventive agent. | 2. Curcumin. |
| 3. Lycopene. | 4. Prebiotics. |
| 5. Efficacy of herbal drug. | 6. Free radicals. |
| 7. Lipo protein. | 8. PUFA. |
| 9. Yogurt. | 10. CHD. |

(10 × 1 = 10 marks)

Part B (Brief Answer Questions)*Answer any eight questions.**Each question carries 2 marks.*

11. Write about activation energy.
12. Mention importance of serum lipids.
13. Write about a compound which can reduce Rheumatoid arthritis.
14. Write a note on importance of omega 3 fatty acids.
15. Write an account on probiotics.
16. Explain nutraceutical properties of garlic.
17. Explain importance of dietary fibers.
18. Write about cardiac arrhythmias.
19. What is accelerated shelf life testing ?
20. Mention possibilities of adverse effect of CLA.

Turn over

21. Explain importance of antioxidants.
22. Write about lipoprotein oxidation.

(8 × 2 = 16 marks)

Part C (Short Essay Type Questions)

Answer any six questions.

Each question carries 4 marks.

23. Give an account of cancer prevention of cruciferous vegetables.
24. Explain microbiology of intestinal tract.
25. Write about anticancer properties of carotenoids.
26. Explain mechanism of action of nutraceuticals.
27. Give an account of nutritional composition of nuts and olive oil.
28. Explain teleology of nutraceuticals.
29. Write about regulatory measures needed for functional foods and nutraceuticals.
30. Write a note on cholesterol lowering effect of citrus flavanoids.
31. Write about importance of fish oil and its role in glycemic level.

(6 × 4 = 24 marks)

Part D (Long Answer Questions)

Answer any two questions.

Each question carries 15 marks.

32. Explain classification of nutraceuticals based on sources.
33. Explain chemistry and nomenclature of CLA. Mention the analysis of CLA in food.
34. Give an account on Herbal medicines. Mention importance of herbs in functional food.
35. Write about antioxidant property of flavanoids.

(2 × 15 = 30 marks)