

11. Which of the following is not a type of functional food?
 - a. Adulterated Foods
 - b. Fortified Foods
 - c. Enhanced Foods
 - d. Enriched Foods
12. Which of the following statement is true about probiotics?
 - a. Promote efficient functioning of digestion
 - b. Stimulate and maintain natural immunity of body
 - c. Beneficial bacteria that colonize in the intestinal tract
 - d. All of these
13. Standards for AGMARK certification are approved by.....
 - a. Bureau of Indian Standards
 - b. All India Association of Agriculture
 - c. Directorate of Marketing and Inspection
 - d. Directorate of Agriculture
14. A substance intentionally added that affects the nature and quality of food is called as:
 - a. Food poisoning
 - b. Food adulteration
 - c. Food contaminant
 - d. Food material
15. Which of the following is not a nutraceutical product?
 - a. Cosamin DS
 - b. Coenzyme Q10
 - c. Vascazen
 - d. Broccoli
16. Nutraceutical is a food or food component that has been shown to:
 - a. Curative effect on disease
 - b. Beneficial effect on health beyond basic nutrition
 - c. Antiaging effect
 - d. Preventive effect on diseases
17. The term "Nutraceutical" was first given by.....
 - a. Stephen De-Felice
 - b. Louis Pasteur
 - c. Antoni Van Leeuwenhoek
 - d. Alexander Fleming
18. Functional foods can be..... and.....
 - a. Pills and capsules
 - b. Dried and preserved
 - c. Natural and fortified
 - d. None of these
19. Who regulates functional foods in India?
 - a. FDA
 - b. FSSAI
 - c. FNFC
 - d. EFSA
20. Vit. C is essential for.....
 - a. Blood cells
 - b. Blood clotting
 - c. Bones and teeth
 - d. Prevent from common cold

(Descriptive)

Time : 2 hr. 30 mins.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

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| 1. Describe the regulatory and marketing issues related to nutraceuticals and functional foods. | 10 |
| 2. Define cereals. Write about various by-products of cereals and their functional components. | 4+6=10 |
| 3. Describe the health benefits of tea. Also give the process flow-chart for manufacturing green tea. | 6+4=10 |
| 4. Write a short note on nutraceuticals. Name some nutraceutical products available in the market. | 6+4=10 |
| 5. Why is antioxidant important for human health? Differentiate between nutraceuticals and functional foods. | 6+4=10 |
| 6. What are carbohydrates? Explain different types of carbohydrates present in food. | 10 |
| 7. State the factors that affect the stability of nutraceuticals. Write some disadvantages of nutraceuticals. | 5+5=10 |
| 8. Discuss (<i>any two</i>): | 5+5=10 |
| a) Phytochemicals | |
| b) Soybeans | |
| c) Flaxseed | |

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