



B.Sc./B.A./B.Com./B.C.A. III Semester Degree Examination,

April/May - 2024

BIOTECHNOLOGY

Bt-OEC-3 : Nutrition and Health

(NEP)

Time : 2 Hours

Maximum Marks : 60

Note : Answer **all** sections.

SECTION - A

1. Answer the following sub-questions in one word or one sentence each. **10x1=10**
- (a) What is Biotechnology ?
 - (b) Define Diet.
 - (c) What are Disaccharides ?
 - (d) What do you mean by essential Amino Acids ?
 - (e) What is the chemical nature of Vitamin D ?
 - (f) Name the deficiency disease of Vitamin K.
 - (g) Define Cardiology.
 - (h) What is shallow frying ?
 - (i) Expand FFN.
 - (j) What is the food technology ?

SECTION - B

Answer **any four** of the following questions.

4x5=20

- 2. Write a short notes on antioxidants.
- 3. Briefly Explain the properties of proteins.
- 4. Explain briefly about Vitamin - B₁₂.
- 5. Describe the Nutritional requirement during Pregnancy period in Human beings.
- 6. Briefly explain the role of functional food science.
- 7. Give an account sources, functions and deficiency diseases of Vitamin B₂.



SECTION - C

Answer **any three** of the following questions.

3x10=30

8. Explain in detail about the functions of food and Balanced Diet.
9. Discuss the role of nutrition in our Health.
10. Write the detail account of sources, functions and deficiency diseases of fat soluble vitamins.
11. Explain in detail about advantages and disadvantages of boiling steaming and pressure cooking.
12. Elaborate the key issues in Indian functional food industry and nutraceutical.

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