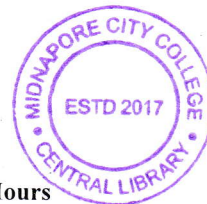


**PG (CBCS)**  
**M.Sc. Semester- IV Examination, 2026**  
**NUTRITION & DIETETICS**  
**PAPER: NUD 404**  
**(NUTRACEUTICALS & HEALTH FOODS)**

**Full Marks: 20****Time: 1 Hours**

The figures in the right-hand margin indicate full marks.  
Candidates are required to give their answers in their own words as far as practicable

**GROUP-A**

Answer any **TWO** from the following questions: **2×2=4**

- 1. Who invented "Theory of Longevity"? Which concept was behind of it?
2. Define post-biotics and biogenic food product.
3. What do you mean by non-nutrient functional foods with examples.
4. Define recombinant nutraceuticals.

**GROUP-B**

Answer any **TWO** from the following questions: **2×4=8**

5. Classify different probiotics with proper examples.
6. Give the classification of different types of functional foods on the basis of target organs/systems.
7. Write down the mechanism of actions of different nutraceuticals in the prevention of carcinogenesis.
8. State the types and sources of phytoestrogen. **1+3**

**GROUP-C**

Answer any **ONE** from the following questions: **1×8=8**

9. Describe about the health benefits of prebiotics and probiotics. **4+4**
10. What are polyphenols? Mention their specific health benefits. What are non-food source of commercially available nutraceuticals products? **5+3**

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