



**PG (CBCS)**  
**M.SC Semester- II Examination, 2023**  
**FOOD SCIENCE & NUTRITION**  
**PAPER: FSN 203**  
**(DIETARY MANAGEMENT OF DISEASES)**

**Full Marks: 40**

**Time: 2 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**

1. Answer any **FOUR** from the following questions: 2×4=8
- a) What do you mean by osteopenia?
  - b) What is tophi? Write the name of enzyme responsible for causing gout.
  - c) Write the name of phytosterols that are helpful for protecting cardiovascular health.
  - d) What do you mean by anaphylaxis?
  - e) What do you mean by 'GMO'?
  - f) What do you mean by 'Wilson's disease'?

**GROUP-B**

2. Answer any **FOUR** from the following questions: 4×4=16
- a) Write about the natural defence system operated in our GI tract that prevents Ulceration.
  - b) Why diabetes is associated with three Ps?
  - c) Describe the role of 'RAAS' system for causing hypertension?
  - d) What are the types of allergic reaction? What do you mean by idiosyncratic reaction? 3+1
  - e) Write about the role of PUFA on CVD.
  - f) Discuss about the role of dietary fibre for controlling diabetes mellitus.

**GROUP-C**

3. Answer any **TWO** from the following questions: 2×8=16
- a) Write about different causes of sepsis. Classify burn on the basis of degree of severity. What is TPN? 3+3+2
  - b) Explain the molecular basis of cancer. Define apoptosis. Name four different tumor markers commonly caused for diagnosis cancer. 3+2+3
  - c) Write the different causes of acute renal failure. Discuss about the protein & fluid requirement for renal failure patients. 4+4
  - d) What do you mean by SIBO effect? Why IBS is associated with SIBO? Write about the dietary management of Inflammatory bowel disease? 2+2+4