

FYUGP/6th Sem/26(NEP)

2026

Four Year Under Graduate Programme (FYUGP)

6th Semester Examination (Under NEP)
(Session 2023-24)

FOOD AND NUTRITION (Major)

Paper Code : FNTMJ MC-12

(Pathophysiology and Therapeutic Diet)

Full Marks : 30

Time : Two Hours

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

1. Answer any four questions :

2×4=8

~~(a)~~ Mention any two diagnostic tests used for the diagnosis of diabetes.

(b) Write any two complications associated with uncontrolled diabetes.

~~(c)~~ Define hypertension and mention any one risk factor associated with it.

(d) State any two dietary measures recommended for patients with hyperlipidaemia.

P.T.O.

(2)

~~(e)~~ Define uraemia and mention any one clinical feature of the condition.

~~(f)~~ What is nephrolithiasis?

2. Answer any *three* questions :

4×3=12

(a) Explain the Oral Glucose Tolerance Test (OGTT) and discuss its significance in the diagnosis of diabetes.

(b) Describe the role of dietary fibre and omega-3 fatty acids in managing hyperlipidaemia.

(c) Explain the dietary management of ischemic heart disease, highlighting the role of fats, fibre, and antioxidants.

~~(d)~~ Describe the aetiology and development of atherosclerosis.

~~(e)~~ Compare nephritis and nephrosis with respect to causes, symptoms, and dietary management.

~~(f)~~ Discuss the clinical features, and dietary management of chronic kidney failure.

3. Answer any *one* question :

10×1=10

~~(a)~~ Discuss Diabetes Mellitus with reference to its types, clinical symptoms, and dietary management in detail.

3+2+5

(3)

(b) What is ischemic heart disease? Write down the risk factors that accelerate the progression of fatty streaks into fibrous plaques in arteries. Compare and contrast the metabolic roles and clinical relevance of TC, HDL, and LDL in predicting cardiovascular risk.

1+3+6