

22181

II SEMESTER UG EXAMINATION, AUGUST 2023

010

SCHEME: SEMESTER (NEP)

OPEN ELECTIVE: BIOCHEMISTRY

TITLE: OE 2 - NUTRITION AND DIETETICS

Time: 2 ½ Hours

Max Marks: 60

Instructions to Candidate: Answer any FIVE questions from PART-A and any FIVE questions from PART-B.

PART- A

1. 2x5=10
- a) What is specific dynamic action of foods.
 - b) Mention any two essential aminoacids.
 - c) Define food pyramid.
 - d) List the role of iron in our body.
 - e) Write the dietary consideration for tuberculosis.
 - f) Mention the causes for constipation.
 - g) Name the functional foods for diabetes.

PART- B

- 5x10=50
- 2. a) What is protein-calorie malnutrition? Explain causes and symptoms of kwashiorkor. 6
b) Give an account on lipoproteins. 4
 - 3. a) Enlist the sources, daily requirement, function and deficiency symptoms of calcium. 6
b) Discuss the nutritional requirements for anemic child and lactating women. 4
 - 4. a) Explain proximate analysis of foods. 4
b) Give an account on dietary intervention for peptic ulcer and diarrhoea. 6
 - 5. a) Define obesity and add a note on prevention and correction of obesity. 5
b) What are dietary fibres? Discuss the beneficial and adverse effects of dietary fibres. 5
 - 6. a) What is BMR? What are the factors affecting it? 6
b) Write short notes on essential fatty acid. 4
 - 7. a) Explain in detail about diet therapy for cancer and cardiovascular disease. 6
b) What are fortified foods? Give its role. 4
 - 8. a) List the functions and deficiency symptoms of thiamine and Vit B₁₂. 6
b) Write a note on nutritive value of proteins. 4

** ** ** *