

**M. Sc. 4th Semester Examination, 2025**

**CLINICAL NUTRITION AND DIETETICS**

**PAPER – CND-403**

*Full Marks : 50*

*Time : 2 hours*

**Answer all questions**

*The figures in the right hand margin indicate marks*

*Candidates are required to give their answers in their own words as far as practicable*

**GROUP—A**

**Answer any four questions : 2 × 4**

- 1. In which diseases REE is higher than AEE. 2**
- 2. Differentiate emphysema and pneumothorax. 2**
- 3. Which gene is responsible for Huntington chorea disease ? What is chorea ? 1 + 1**

*( Turn Over )*

( 2 )

4. Categorize COPD on the basis of FEVI. 2
5. Write the genetics of PKU. 2
6. State the Iretone's formula for energy calculation of 'Burn' patients. 2

### GROUP-B

Answer any four questions : 4 x 4

7. What types of drug nutrient interaction may occur during anti-tubercular therapy? Define anabolic shock. How it can be prevented? 2 + (1 + 1)
8. What is meant by opportunistic infection and give example? Discuss the dietary management of Huntington chorea disease. 2 + 2
9. Discuss the dietary management of Huntington Chorea disease.

10. Distinguish between HIV and AIDS. What are the symptoms of AIDS ?  $2 + 2$
11. Why protein supply is increased in case of burn patient ? What is Ebb phase of burn patient ?  $2 + 2$
12. What do you mean by Phonex and Enfamil formulated diet ?  $2 + 2$

**GROUP - C**

**Answer any two questions :  $8 \times 2$**

13. Write the pathophysiology of Alzheimer's disease. Discuss briefly about the dietary management of parkinson's disease.  $3 + 5$
14. Which protein deficiency and gene mutation are responsible for increasing risk of COPD ? Briefly state the causes of weight loss and wasting in this disease. How can be cachexia managed by proper nutrition illustrate along with the role of leucine and PUFA.  $2 + 2 + 4$

( 4 )

**15. Discuss the rules of nine in case of burn patient. Describe the nutritional care of burn patient through F-100 and F-75 formulated food.** 3 + 5

**16. Write the genetics of Galactosemia. Discuss the strategy for diet therapy for galactosemia.** 3 + 5

**[ Internal Assessment — 10 Marks]**