

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

**CLINICAL NUTRITION AND DIETETICS**

**PAPER — CND-402**

*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** from the following :  $2 \times 4$

1. Which gene is responsible for Cystic fibrosis ? Write the location of it.  $1 + 1$
2. What do you mean by weaning ?
3. Define childhood obesity.

( Turn Over )

( 2 )

4. Write any two causes of dental caries.
5. What do you mean by exclusive breast feeding?
6. What is 'Total parenteral nutrition'?

**GROUP - B**

Answer any four questions :  $4 \times 4$

7. Write the let-down reflex of milk production. 4
8. Discuss the benefit of breast feeding for children.
9. Why cleaning is needed before sterilization of feeding bottle? Under which circumstances bottle feeding is given? 1 + 3
10. Discuss briefly about chemical sterilization of feeding bottle.

11. Discuss about the risk related to childhood obesity. What is Ketogenic diet ?  $2 + 2$
12. State any four strategies adopted for geriatric nutrition.  $4$

**GROUP - C**

Answer any two questions from the following :  $8 \times 2$

13. What precautions should be taken at the time of preparation of weaning food ? Discuss about the complementary feeding at different age of baby. What are the advantages of weaning ?  $2 + 4 + 2$
14. Write the criteria of feeding bottle. Discuss about the different types of infant's artificial formula feeding. Which one is the best formula for baby ?  $3 + 4 + 1$
15. Write the cause, pathophysiology and treatment of cystic fibrosis.  $2 + 4 + 2$

( 4 )

- 16. Discuss the justification of proportionate higher level of first class protein inclusion in the diet of aged persons. Write the importance of antioxidant type of food in the diet of aged persons.** **5 + 3**

**[ Internal Assessment — 10 Marks ]**

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