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**PG/IIS/PHY/201/25**

**M. Sc. 2nd Semester Examination, 2025**

**HUMAN PHYSIOLOGY**

*(Community Health : Health, Disease and Nutrition)*

**PAPER — PHY-201**

*Full Marks : 25*

*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 two questions from the following :**

**2 × 2**

- 1. Classify school-going children according to their nutritional needs.**

**2**

*( Turn Over )*

( 2 )

2. Mention the feeding problems of pre-term babies. 2
3. What is meant by 'modifiable behavioral risk factors' for non-communicable diseases? 1 + 1
4. Differentiate between primary and secondary prevention of diseases. 2

### GROUP-B

Answer any two questions from the following :

4 × 2

5. Describe the different clinical assessment methods for the detection of childhood obesity. How could you calculate the Total Energy Expenditure (TEE) of children? 4 + 1
6. Discuss the special formula recommended for pre-term infants. Write down the benefits of the fortification of human milk for preterm infants. 4 + 1

( 3 )

7. Write down two major causes for cancer development. Why does obesity lead to cancer development?  $2 + 2$
8. Define population genetics. Briefly state the major forces that do influence the genetic composition of any population.  $2 + 2$

### GROUP - C

Answer any one question from the following :

9. What do you mean by anorexia nervosa?  $8 \times 1$   
Write down the behavioural pattern of bulimia nervosa patients. What types of nutrition and supplements are recommended for those types of subjects?  $3 + 3 + 2$
10. What are meant as communicable diseases? Write briefly on droplet transmission of communicable diseases. Describe epidemiological triad mentioning the factors influencing it.  $2 + 3 + 3$

[ Internal Assessment — 05 Marks ]

