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PG/HS/PHY/205/25

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

**HUMAN PHYSIOLOGY**

*(Community Health : Metabolic Disorder and  
Lifestyle Management)*

**PAPER — PHY-205**

*Full Marks : 25*

*Time : 1 hour*

**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. What are the symptoms of iron deficiency anemia ?**

**2**

*( Turn Over )*

( 2 )

2. Mention the names of two drugs used in the management of obesity. 2
3. What is the importance of low RDA for the elderly? 2
4. What is db/db mice? 2

#### GROUP - B

Answer any two questions from the following :

4 × 2

5. Write on the importance of serum ferritin as a biochemical marker in the detection of iron deficiency anemia. Mention the significance of iron fortification. 2 + 2
6. Write a note on the objectives and beneficiaries of the ICDS programme. 2 + 2
7. Discuss the WHO guidelines for geriatric nutrition. 4

( 3 )

8. Write about the leptin signaling pathways in energy homeostasis. 4

**GROUP – C**

Answer any one question from the following :

- 8 × 1
9. What is Very Low Calorie Diet(VLCD) ?  
Discuss the mechanism of action of drugs used in obesity management. 2 + 6
10. What are the causes of malnutrition in elderly ? Discuss briefly about nutritional prevention of age related problems in elderly. 4 + 4

**[ Internal Assessment – 05 Marks ]**

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