



**The West Bengal University of Health Sciences**  
**B.Sc. Radiology and Imaging Technology Part-I**  
**August- September, 2025 Examination**

Subject : Human Physiology  
 Paper : II

Full Marks : 80  
 Time : 3 hrs.

**Group – A**

1. Answer *any four* questions of the following :
- |   |     |
|---|-----|
| a) Briefly describe the structure of ovary with diagram.                              | 5+5 |
| b) Mention the role of cerebellum in movement. What is iris?                          | 8+2 |
| c) Define puberty. List the change that takes place in boys and girls during puberty. | 2+8 |
| d) What is BMR? Write the factors affecting it.                                       | 3+7 |
| e) What do you know about menopause? What is carotid body?                            | 5+5 |
| f) Describe blood clotting mechanism with its factors and diagram.                    | 7+3 |

**Group – B**

2. Write short notes on *any six* of the following : 6 x 5
- a) Corpus luteum.
  - b) Functions of spleen.
  - c) Sarcotubuler system.
  - d) Withdrawl a bleeding.
  - e) Glucose tolerance level.
  - f) Organ of corti.
  - g) Alveoilar surface tension.
  - h) Action of prolactin hormone.

**Group – C**

7. Answer *any five* question of the following : 5 x 2
- a) What is dead space?
  - b) What is rigor mortis?
  - c) What do mean by chloride shift?
  - d) What is function of CSF?
  - e) What are PNS and ANS?
  - f) Write the functions of basal ganglia.
  - g) What are blind spot and yellow spot?