

**First Year B.Sc Radio Therapy Technology Degree Supplementary  
Examinations June 2025**

**Paper II – Physiology**

**(2023 Scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays:**

**(2x15=30)**

1. Describe how carbon dioxide transport takes place in our body
2. Describe menstrual cycle with the hormones involved in it

**Short notes:**

**(8x5=40)**

3. Functions of leukocytes
4. Events during a normal cardiac cycle
5. Structure of a synapse
6. Actions of posterior pituitary hormones
7. Name the coagulation factors
8. Types of hypoxia
9. Composition and functions of gastric juice
10. Surfactant

**Answer briefly:**

**(10x3=30)**

11. Cushing's syndrome
12. Presbyopia
13. Plasma proteins
14. Any three functions of bile
15. Actions of aldosterone
16. Small intestinal movements
17. Acromegaly
18. Actions of testosterone
19. Any three functions of cerebellum
20. Name the different taste sensations

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