

**First Year B.Sc Radio Therapy Technology Degree Regular  
Examinations October 2024**

**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. Explain the physiology of coagulation
2. Describe Menstrual cycle. Mention the role of hormones involved in it

**Short notes:**

**(8x5=40)**

3. Growth hormone
4. Functions of Lungs
5. Different types of WBCs and their functions
6. Digestion and absorption of fat
7. Define blood pressure. Write the normal values
8. Formation and functions of CSF
9. Functions of Aldosterone. Write a note on Conn's disease
10. Functions of different parts of ear

**Answer briefly:**

**(10x3=30)**

11. Anemia
12. Surfactant
13. Functions of Sertoli cells
14. Functions of Saliva
15. Secondary sexual characters
16. Functions of Oxytocin
17. Deglutition apnoea
18. Functions of cerebellum
19. Features of pulmonary circulation
20. Heart sounds

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