

**First Year B.Sc Medical Imaging Technology Degree Regular  
Examinations November 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*

**Essay**

**(2x15=30)**

1. Describe the stages of shock. Add a note on Anaphylactic shock
2. Describe the mechanism of urine formation. Add a note on composition of urine

**Short notes**

**(8x5=40)**

3. Factors regulating Blood pressure
4. Mechanism of gastric acid secretion
5. Role of iodine in thyroid hormone synthesis
6. Lung capacities
7. Formation and functions of platelets
8. Spermatogenesis
9. Water reabsorption in renal tubules
10. Functions of respiratory system

**Answer briefly**

**(10x3=30)**

11. Anti diuretic hormone
12. Functions of middle ear
13. Functions of Gonadotropins
14. Defecation
15. Functions of kidney
16. Ventricular systole
17. Cushing's syndrome
18. Coagulation Factors
19. Function of Eosinophil
20. Functions of cerebrospinal fluid

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