

QP CODE: 102018

Reg. No: .....

**First Year B.Sc (MRT) Degree Supplementary Examinations  
September 2025  
Physiology**

**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**

**(2x20=40)**

1. Define circulatory shock. Describe the classification of circulatory shock. Explain the pathophysiology of anaphylactic shock. Describe the management of anaphylactic shock.
2. Define deglutition. Describe various phases of deglutition in detail with special emphasis on deglutition apnea.

**Short notes:**

**(8x5=40)**

3. Spermatogenesis
4. Structure and functions of platelets
5. Hypoxia
6. Insulin
7. Taste pathway
8. Plasma proteins
9. Pulmonary ventilation
10. Transport of Carbon di oxide

**Answer briefly:**

**(10x2=20)**

11. Actions of Oxytocin
12. Copper – T
13. Functions of middle ear
14. Dead space
15. Reflex Arc.
16. Macrophages
17. Myxedema
18. Stretch reflex
19. Polycythemia
20. Estrogen

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