

QP CODE: 102018

Reg. No:

**First Year B.Sc (MRT) Degree Supplementary Examinations
March 2019**

Physiology

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary

Essays

(2x20=40)

1. How oxygen is transported by the blood. Describe the oxygen-hemoglobin dissociation curve
2. Describe the stages of erythropoiesis. Mention the factors affecting it. Discuss the different types of anemia.

Short notes:

(8x5=40)

3. Transmission of impulse across the neuromuscular junction
4. Functions of cerebellum
5. Dark adaptation
6. Cretinism
7. Diabetes insipidus
8. Factors affecting the heart rate
9. Anaphylactic shock
10. Body fluid compartments

Answer briefly:

(10x2=20)

11. Passive transport
12. Hemophilia
13. Cryptorchidism
14. Functions of posterior pituitary
15. Pregnancy diagnostic test
16. Definition and duration of cardiac cycle
17. Medullary vital centres
18. Referred pain
19. Components of a reflex arc
20. Functions of semicircular canals
