

QP CODE: 102018

Reg. No:

**First Year B.Sc (MRT) Degree Regular/Supplementary Examinations
March 2021
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 coagulation. Name the clotting factors involved in clotting of blood.
Draw a schematic diagram and explain the mechanisms of clotting.
2. Describe the composition, regulation and functions of pancreatic juice.

Short notes:

(8x5=40)

3. Diffusion of gases in lungs and factors influencing it.
4. Heart sounds
5. Functions of cerebrospinal fluid
6. Actions of Growth Hormone
7. T Lymphocytes
8. Testosterone
9. Menstrual cycle
10. Features of pulmonary circulation

Answer briefly:

(10x2=20)

11. Functions of Lymph
12. Puberty
13. Spermatogenesis
14. Cryptorchidism"
15. Four functions of spinal cord
16. Bile
17. Functions of middle ear
18. Systolic blood pressure
19. Receptors for pain
20. Myxedema
