

QP CODE: 102018

Reg. No:

**First Year B.Sc (MRT) Degree Regular/Supplementary Examinations
March 2022
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. Name the hormones produced in the thyroid gland. Explain the production and functions of the thyroid hormones. Briefly describe hyperthyroidism and hypothyroidism.
2. Explain deglutition and gastrointestinal movements.

Short notes:

(8x5=40)

3. Definition, common causes and clinical significance of thrombocytopenia
4. Formation of lymph
5. Pulmonary surfactant
6. Actions of insulin
7. Functions of pancreatic juice
8. Endometrial changes during menstrual cycle
9. Anaphylactic shock
10. Stretch reflex

Answer briefly:

(10x2=20)

11. Normal differential leukocyte count
12. Thrombin
13. Vital capacity
14. Acromegaly
15. Absorption of dietary glucose
16. Cryptorchidism
17. Pulse
18. Accommodation reflex
19. Types of pain
20. Extrapyrmidal system
