

QP CODE: 102018

Reg. No:

**First Year B.Sc (MRT) Degree Regular/Supplementary Examinations
March 2023
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. Describe the intrinsic and extrinsic pathway of blood coagulation. Enumerate clotting factors. Add a note on thrombus formation
2. Explain gastrointestinal movements and defecation reflex

Short notes:

(8x5=40)

3. Spermatogenesis.
4. Oogenesis
5. Chemical Regulation of respiration.
6. Stretch reflex
7. Definition, common causes and clinical significance of pancytopenia
8. Digestion and absorption of fats.
9. Cardiac Output
10. Functions of WBC's. Add a note on leucopenia

Answer briefly:

(10x2=20)

11. Functions of Saliva
12. Grave's disease
13. Menopause
14. Non- respiratory functions of lungs
15. Coronary Circulation
16. Accommodation reflex
17. Components and functions of blood
18. Extrapramidal system
19. Formation and absorption of CSF
20. Characteristics & composition of semen
