

QP CODE: 102018

Reg. No:

**First Year B.Sc (MRT) Degree Regular/Supplementary Examinations
March 2024
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. Explain the respiratory and non-respiratory functions of lungs.
2. Mention the sites of erythropoiesis in human beings. Explain the stages and factors influencing erythropoiesis. Add a note on macrocytic anemia.

Short notes:

(8x5=40)

3. Cardiac cycle
4. Functions of stomach
5. Short term regulation of blood pressure
6. Actions of thyroid hormones
7. Pain pathway
8. Errors of refraction
9. Oestrogen
10. Role of small intestine in digestion and absorption

Answer briefly:

(10x2=20)

11. Movements of large intestine
12. Monocyte
13. Cryptorchidism
14. Anaphylactic shock
15. Reflex arc.
16. Blood brain barrier
17. SA node
18. Thrombocytopenia
19. Menopause
20. Excess secretion of growth hormone
