

**First Year B.Sc (MRT) Degree Supplementary Examinations
September 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 blood pressure mention the normal range of values. Explain the regulation of blood pressure.
2. Describe the uterine and ovarian changes occurring during the menstrual cycle and its hormonal basis.

Short notes:

(8x5=40)

3. Functions of gastric juice
4. Formation and functions of lymph
5. Surfactant
6. Synthesis and regulation of secretion of thyroid hormones
7. Visual pathway
8. Normal count, structure and functions of Platelets
9. Movements of large intestine
10. Pulmonary circulation

Answer briefly:

(10x2=20)

11. Cretinism
12. Dead space
13. Sensory receptors
14. Test for pregnancy
15. Erythropoietin
16. Bile
17. Arterial pulse
18. Functions of saliva
19. Cushing's syndrome
20. Circulation and functions of cerebrospinal fluid.
