

QP CODE: 102018

Reg. No:

**First Year B.Sc (MRT) Degree Supplementary Examinations
September 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. Define erythropoiesis. Describe the steps of erythropoiesis with the aid of a diagram. Add a note on classification of anemia.
2. Describe the special features of pulmonary circulation. Describe the layers of respiratory membrane with the aid of a diagram. Add a note on various factors affecting diffusion of gas across respiratory membrane.

Short notes:

(8x5=40)

3. Ovarian and uterine changes during menstrual cycle
4. Thyroid hormone synthesis
5. Composition and functions of CSF
6. Visual pathway and its lesions
7. Functions of hydrochloric acid in stomach
8. Peristalsis
9. Cardiac cycle
10. Anaphylactic shock

Answer briefly:

(10x2=20)

11. Functions of spinal cord
12. Functions of hypothalamus
13. Reflex arc
14. Composition of semen
15. Tests of pregnancy
16. Primary taste sensation
17. Acromegaly
18. Menopause
19. Diabetes insipidus
20. Systolic and Diastolic blood pressure
