

QP CODE: 102018

Reg. No:

**First Year B.Sc (MRT) Degree Supplementary Examinations
March 2026
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 synapse. Describe the classification of synapse. Explain the mechanism of synaptic transmission with the aid of a diagram.
2. Name the hormones secreted from pituitary gland. Describe the actions of growth hormone. Add a note on dwarfism.

Short notes:

(8x5=40)

3. Functions of saliva
4. Transport of Oxygen
5. Neutrophil
6. Lymph
7. Physiological changes during pregnancy
8. Non respiratory functions of lungs
9. Short term regulation of blood pressure
10. Heart sounds

Answer briefly:

(10x2=20)

11. Thrombocytopenia
12. Ventilation perfusion ratio
13. Erythropoietin
14. Functions of bile
15. Peptic ulcer
16. Functions of surfactant
17. Waves of ECG
18. Functions of pancreatic juice
19. Tests of ovulation
20. Ventricular systole

CORRECTION / NO-CORRECTION FILE
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QPCODE: 102018

Dated: 12-03-2026

Question No. 12

Replaced with "Tidal Volume"

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS