

Q.P. CODE: 112019

Reg. No:

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree
Regular/Supplementary Examinations December 2023**

Paper II – Physiology

(2016 Scheme)

(Common for both specialty)

Time: 3 Hrs

Max. Marks: 50

- *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:

(2x10=20)

1. Define Blood Pressure. Give normal values of systolic Blood pressure, diastolic blood pressure, pulse pressure and mean arterial pressure. List the mechanisms to regulate Blood pressure. Explain in detail short term regulation of blood pressure.
2. Define hemostasis. List the steps in hemostasis. Write briefly about intrinsic and extrinsic mechanisms of blood coagulation.

Short Notes:

(2x5=10)

3. Explain the Carbon dioxide transport in blood.
4. Explain crude touch pathway.

Answer briefly:

(10x2=20)

5. Functions of hydrochloric acid in stomach.
6. Sarcotubular system of skeletal muscle.
7. Water reabsorption from renal tubules.
8. Write four physiological actions of thyroid hormones.
9. Functions of testosterone.
10. Dead space.
11. Functions of placenta.
12. Refractive errors of eye.
13. Name major blood group systems. Write about importance of blood groups.
14. Micturition reflex.
