

Q.P. CODE: 112019

Reg. No:

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree
Supplementary Examinations September 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. List the hormones secreted from pancreas. What are the actions of insulin. Add a note on Diabetes mellitus.
2. Define GFR. Mention its normal value. Explain factors affecting GFR. Add a note on micturition reflex.

Short Notes:

(2x5=10)

3. With the help of a diagram explain the stages of erythropoiesis. Write briefly about the factors affecting erythropoiesis.
4. Explain stages of spermatogenesis and its regulation.

Answer briefly:

(10x2=20)

5. Functions of middle ear.
6. What are the different waves in ECG. What is the reason for each wave.
7. Oxygen hemoglobin dissociation curve.
8. Properties of cardiac muscle.
9. Functions of liver.
10. Functions of saliva.
11. Plasma proteins.
12. Rh incompatibility.
13. Functions of cerebrospinal fluid.
14. List different lung capacities. What is the significance of Functional Residual Capacity.
