

Q.P. CODE: 112019

Reg. No:

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree
Regular/Supplementary Examinations November 2024**

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. Functions of cerebral hemispheres with mention of Brodmann's areas. Discuss the Pyramidal tract pathway.
2. Role of Hypothalamus in control of Pituitary hormone secretion. Mention disorders of growth hormone secretion with their main features.

Short Notes:

(2x5=10)

3. Define GFR and factors affecting GFR.
4. WBCs and its functions.

Answer briefly:

(10x2=20)

5. Functions of plasma proteins.
6. Functions of small intestine.
7. Functions of surfactant.
8. Nerve action potential.
9. Properties of cardiac muscle.
10. Role of hormones in lactation.
11. Hypertension.
12. Effects of hypoxia.
13. Regulation of pancreatic secretion.
14. Sarcomere.
