



**MBBS FIRST PROFESSIONAL EXAMINATION, 2019**

**PHYSIOLOGY**

**Paper I**

**Time Allowed: Three Hours**

**Maximum Marks- 50**

**Note:-** Attempt all questions. Answer Part-I and Part-II in **separate** answer books. All part of question should be answered together. Figures in parenthesis indicate marks allotted to question.

**Part -I**

- Q1. Explain the nutritional anemias and their prevention. (5)
- Q2. Describe the basis of resting membrane potential and action potential in a nerve. (5)
- Q3. Explain different lung volumes and capacities with the help of graph. Add a note on FEV<sub>1</sub>. (5)
- Q4. Explain the role of hypothalamus in regulation of pituitary hormones. (5)
- Q5. Explain the mechanism of HCl secretion from the parietal cells. (5)

**Part -II**

- Q1. Enumerate diuretics. Give their site of action. (5)
- Q2. Differences between primary active transport and secondary active transport. (5)
- Q3. Describe the motor disturbances in cerebellar disease. (5)
- Q4. With the help of diagram, explain the visual pathway and effects of its lesion at different levels. (5)
- Q5. Describe the indicators of ovulation. (5)