

**MBBS 2<sup>nd</sup> PROFESSIONAL EXAMINATION, 2019****PHARMACOLOGY****PAPER I****Time Allowed: Three Hours****Maximum Marks- 40**

**Note:-** Attempt all questions in serial order. All parts of a question should be answered together.  
Figures in parenthesis indicate marks allotted to a question.

- Q1. What is half-life? Explain how is half-life related to time to attain steady-state plasma concentration and elimination of drugs. (5)
- Q2. What is an adverse drug reaction? Differentiate between "Type A" and "Type B" adverse effects with examples (5)
- Q3. Discuss pharmacotherapy of acute attack of bronchial asthma. (5)
- Q4. Enumerate drugs used in congestive heart failure. Write briefly mechanism of action and adverse effects of furosemide. (5)
- ~~Q5.~~ Classify antiepileptic drugs according to their mechanism of action. Discuss the mechanism of action and therapeutic uses of sodium valproate. (5)
- Q6. Write mechanism of action and therapeutic uses of morphine. Write management of opioid overdose (5)
- Q7. Write therapeutic uses and adverse effects of Aspirin. (5)
- Q8. Enumerate drugs used in angina and write rationale for use of each class. (5)

\*\*\*\*\*

