

**The West Bengal University of Health Sciences**  
**MBBS 2nd Professional Examination, March 2021**

**Subject: Pharmacology**  
**Paper: I**

**Full Marks: 40**  
**Time: 2 hours**

*Attempt all questions. The figures in the margin indicate full marks.*

- 1) a) Enumerate the drugs used in congestive heart failure. Mention the mechanism of action of any two types of drugs used in this condition. 4+3+3
- Or**
- b) Enumerate the different cholinergic receptors. Mention agonist and antagonist of each receptor. 4+6
- 2) Explain **any three** of the following: 3 x 3
- a) Desferrioxamine is useful in thalassemia.
  - b) Frusemide is the drug of choice in acute pulmonary oedema.
  - c) Salbutamol is a rescue drug in acute attack of bronchial asthma.
  - d) Propranolol is contra-indicated in variant angina.
- 3) Write the mechanism of action of **any three** of the following: 3 x 3
- a) Ticagrelor as antiplatelet agent.
  - b) Solifenacin in symptomatic treatment of increased frequency of micturition.
  - c) Pyridoxine in tuberculosis.
  - d) Meclizine as antiemetic drug.
- 4) Write short notes on **any four** of the following: 4 x 3
- a) Parenteral iron therapy.
  - b) Drug antagonism.
  - c) Transdermal therapeutic system.
  - d) Thrombolytic drugs.
  - e) Atropine substitutes.