

02/21

**The West Bengal University of Health Sciences**  
**MBBS 2nd Professional Examination, November 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 the treatment of acute myocardial infarction (AMI). Mention the different routes used for the administration of drug in AMI with reasons. Write the role of Metoprolol in AMI ? 2+6+2

**Or**

- b) What are the different routes of drug administration? What are advantages and disadvantages of IV route of drug administration ? 5+5
- 2) Explain **any three** of the following: 3 x 3
- a) Vitamin K is used in the treatment of warfarin overdose.
  - b) Spironolactone especially used in cirrhosis of liver.
  - c) Dopamine is used in cardiogenic shock.
  - d) Thalidomide is not used in pregnancy.
- 3) Write the mechanism of action of **any three** of the following: 3 x 3
- a) Heparin as anticoagulant.
  - b) Miotics in both open and closed angle glaucoma.
  - c) Promethazine in motion sickness.
  - d) Probenecid in gout.
- 4) Write short notes on **any four** of the following: 4 x 3
- a) Therapeutic drug monitoring.
  - b) Essential drug( Definition and Criteria).
  - c) Mucolytic agents.
  - d) Tamsulosin.
  - e) Sodium cromoglycate.