

02/22

The West Bengal University of Health Sciences
MBBS 2nd Professional Examination (Old Regulation) September 2022

Subject: Pharmacology

Full Marks: 40

Paper: I

Time: 2 hours

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

1. a) A 25 year old lady is brought to emergency room by her family members. She is unconscious with constricted pupils and froth coming out her mouth and convulsion. She is reported to consume some insecticide. 1+1+3+5
- a) What is the probable diagnosis ?
- b) What drug is given to control her convulsion ?
- c) Mention the general measures to be taken for her ?
- d) Outline the specific treatment in this case.

Or

- b) Enumerate the drugs used in the treatment of glaucoma. Mention the reasons of using each drug. 3+7

2. Explain **any three** of the following: 3 x 3

- a) Montelukast is not used in acute attack of bronchial asthma.
- b) Intravenous route is the route of emergency.
- c) Chloroquine is given in loading dose in vivax malaria.
- d) Folic acid is used in combination with vitamin B₁₂ in megaloblastic anaemia.

3. Write the mechanism of action of **any three** of the following: 3 x 3

- a) Neostigmine in the treatment of myasthenia gravis.
- b) Atorvastatin as hypolipidemic drug.
- c) Nitrates in stable angina pectoris.
- d) Ondansetron as antiemetic agent.

4. Write short notes on **any four** of the following: 4 x 3

- a) Parenteral iron therapy.
- b) Penicillamine.
- c) Competitive and non competitive antagonism (Diagram with examples).
- d) Rational use of drugs.
- e) Antitussive agents.