

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

Subject: Pharmacology
Paper: II

Full Marks: 40
Time: 2 hours

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

- 1) a) Classify anti-malarial drug. Write down the specific drug therapy of severe malaria. Write chemoprophylaxis of malaria. What is the reason behind using primaquine in malaria ?

4+2+2+2

Or

- b) Enumerate the drugs used in Non-insulin dependent diabetes mellitus (NIDDM). Describe the mechanism of action of metformin in diabetes mellitus. What are the adverse effects of metformin? Mention the non-diabetic indications of metformin.

4+2+2+2

- 2) Explain *any three* of the following:

3 x 3

- a) Sodium valproate as antiepileptic.
- b) Tetracycline should not be given to pregnant women.
- c) Multiple drugs are used to treat tuberculosis.
- d) Barbiturate poisoning is more detrimental than benzodiazepine.

- 3) Write the mechanism of action of *any three* of the following:

3 x 3

- a) Carbimazole as antithyroid drug.
- b) Ondansetron as antiemetic.
- c) Methotrexate.
- d) Ivermectin.

- 4) Write short notes on *any four* of the following:

4 x 3

- a) Interferons.
- b) Dissociative anaesthesia.
- c) Allopurinol.
- d) Chemoprophylaxis.
- e) Bisphosphonates.