

02/22

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

Subject: Pharmacology  
Paper: II

Full Marks: 40  
Time: 2 hours

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

1. a) Enumerate antithyroid drugs. What is the mechanism of action of iodine as antithyroid agent? How will you manage a case of myxedema coma. 3+4+3

**Or**

- b) Enumerate glucocorticoids. Describe the therapeutic uses and adverse effects of glucocorticoids. Explain why glucocorticoids should not be withdrawn abruptly after prolonged therapy. 3+3+2+2

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

- a) Tetracyclines are contraindicated in pregnancy.
- b) Morphine is contraindicated in undiagnosed abdominal pain.
- c) Both estrogen and progesterone are combined in oral contraceptive pill.
- d) Centrally acting anticholinergics are used in drug induced parkinsonism.

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

- a) Lactulose in hepatic encephalopathy.
- b) Lithium in bipolar disorder.
- c) Multi drug therapy is used in the treatment of tuberculosis.
- d) Metformin as oral antidiabetic agent.

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

- a) Amphotericin B.
- b) Ketamine.
- c) Metronidazole.
- d) Post exposure prophylaxis against HIV.
- e) Methotrexate.