

MANIPAL ACADEMY OF HIGHER EDUCATION
SECOND MBBS DEGREE EXAMINATION – JUNE 2021
SUBJECT: PHARMACOLOGY – PAPER II (ESSAY)

Tuesday, June 08, 2021

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

Answer ALL the questions.

- 1A. Name **two** aminoglycosides. Mention **four** common properties of aminoglycosides.
- 1B. Explain **two** advantages of combined use of antimicrobial agents with an example for each.
- 1C. Write briefly on suprainfection.

(3+3+4 = 10 marks)

- 2A. Classify glucocorticoids.
- 2B. Explain **two** therapeutically useful actions of glucocorticoids.
- 2C. Explain why glucocorticoids should not be stopped abruptly following prolonged use.

(3+4+3 = 10 marks)

3. **Answer the following:**

- 3A. Explain the management of thyrotoxic crisis.
- 3B. Mention **three** groups of oral antidiabetic agents with examples. Explain the mechanism of action of **any one** group.
- 3C. Write the mechanism of action, uses and adverse effects of chloroquine.
- 3D. Mention **four** toxicities of anticancer drugs and methods to ameliorate them.
- 3E. Explain **two** drug interactions involving rifampin. Write **two** uses of rifampin.
- 3F. Mention the drug of choice for neurocysticercosis with basis for the same.
- 3G. Mention **four** differences between doxycycline and tetracycline. Explain why tetracyclines are contraindicated in young children
- 3H. Explain the terms 'diffusion hypoxia' and 'second gas effect' with examples.
- 3I. Explain the mechanism of action and adverse effects of lithium carbonate.
- 3J. Name **two** local anesthetics. Explain **two** techniques of local anesthesia.
- 3K. Explain the mechanism of action of benzodiazepines. Mention **four** advantages of benzodiazepines over barbiturates as sedative-hypnotics.
- 3L. Explain the actions of morphine on central nervous system.
- 3M. Explain **three** therapeutically useful actions of aspirin. Mention **two** adverse effects of aspirin.
- 3N. Name **two** selective serotonin reuptake inhibitors(SSRIs). Mention **three** uses of SSRIs.
- 3O. Mention **four** drugs of different groups used for treatment of Parkinsonism. Explain the mechanism of action of any **two** of them.

(4 marks × 15 = 60 marks)

