

**BACHELOR OF PHARMACY (B. PHARM.) (CBCS - 2015 COURSE)**

**Final Year B. Pharm. Sem-VIII :SUMMER- 2022**

**SUBJECT : PHARMACOLOGY-IV**

Day : Monday

Time : 02:00 PM-05:00 PM

Date : 18-07-2022

**S-13730-2022**

Max. Marks : 60

**N.B.**

- 1) Q. No 1 and Q. No. 5 are **COMPULSORY**. Out of remaining answer any **TWO** questions from each section
- 2) Answers to both section should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

**SECTION – I**

- Q.1** Answers any **FIVE** of the following: (10)
- a) Enlist the clinical uses of aminoglycosides.
  - b) Brief the mechanism of action of sulphonamides.
  - c) Enlist the adverse effects of tetracyclines.
  - d) Why cotrimoxazole is preferred over sulphonamides.
  - e) Brief the mechanism of action of antifungal azoles.
  - f) Enlist the toxicities of anticancer drugs.
  - g) What is lepra reaction?
- Q.2** Classify beta lactam antibiotics. Discuss the mechanism of action, clinical uses, adverse effects, drug interactions and resistance of penicillin G. (10)
- Q.3** a) Classify anti – viral drugs. Discuss the pharmacology of acyclovir. (06)
- b) Discuss the pharmacotherapy of leprosy. (04)
- Q.4** Write short notes on any **TWO** of the following: (10)
- a) Prophylaxis of malaria
  - b) Cyclophosphamide
  - c) Resistance to antibiotics

**SECTION - II**

- Q.5** Answers any **FIVE** of the following: (10)
- a) Enlist the functions of insulin hormone.
  - b) Explain the process of ovulation.
  - c) What are the clinical uses of tocolytics?
  - d) Classify immunosuppressants.
  - e) Enlist natural estrogens.
  - f) What are the adverse effects of oral contraceptive pills?
  - g) Classify anti – thyroid drugs.
- Q.6** Classify anti – diabetic drugs with suitable examples. Discuss the mechanism of actions and adverse effects of sulphonylurea. (10)
- Q.7** a) What are different hormones of adrenal glands? Comment on physiological effects of mineralocorticoids. (06)
- b) Describe the biosynthesis of thyroid hormones. (04)
- Q.8** Write short notes on any **TWO** of the following: (10)
- a) Selective estrogen receptor modulators (SERM)
  - b) Immunostimulants
  - c) Drugs contraindicated ion breast feeding women

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