

**FINAL YEAR B.PHARM. SEMESTER-VIII (CBCS - 2015 Course) :**

**SUMMER - 2019**

**SUBJECT : PHARMACOLOGY – IV**

Day : Friday  
Date : 03/05/2019

Time : 02.00 PM TO 05.00 PM  
Max. Marks : 60

**S-2019-4415**

**N.B.:**

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

**SECTION – I**

- Q.1** Answer **ANY FIVE** of the following: [10]
- a) Enlist the clinical uses of sulphonamides.
  - b) Brief the mechanism of action of aminoglycosides.
  - c) Enlist the adverse effects of tetracyclines.
  - d) What are the advantages of cotrimoxazole?
  - e) Brief the mechanism of action of amphotericin B.
  - f) Enlist the drugs used for prophylaxis of malaria.
  - g) What is lepra reaction?
- Q.2** Classify anticancer agents. Discuss the mechanism of action, clinical uses, adverse effects and drug interactions of methotrexate. [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) Resistance to Antibiotics
  - b) Penicillinase inhibitors
  - c) Albendazole

**SECTION – II**

- Q.5** Answer **ANY FIVE** of the following: [10]
- a) Enlist the functions of thyroid hormones.
  - b) Explain the process of ovulation.
  - c) What are the uses of oxytocics?
  - d) Enlist the antithyroid drugs.
  - e) Enlist Selective estrogen receptor modulators (SERM).
  - f) What are the clinical uses of progesterone?
  - g) What are DPP4 inhibitors? Give examples.
- Q.6** Classify anti-diabetic drugs with suitable examples. Discuss the mechanism of action and adverse effects of sulphonylurea. [10]
- Q.7** a) What are different hormones of adrenal glands? Comment on physiological effects of glucocorticoids. [06]  
b) Describe the biosynthesis of thyroid hormones. [04]
- Q.8** Write short notes on **ANY TWO** of the following: [10]
- a) Drug use in geriatric patients
  - b) Drug use in paediatric patients
  - c) Immunostimulants

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