

**DOCTOR OF PHARMACY**  
**Third Year Pharm. D. : SUMMER : 2022**  
**SUBJECT: PHARMACOLOGY-II**

Day : Wednesday  
Date 04-May-2022

S-5737-2022

Time : 10:00 AM-01:00 PM  
Max. Marks: 70

**N.B:**

- 1) **Q. No. 1 and Q. No. 5** are compulsory. Answer any two of the remaining from each Section.
- 2) Figures to the right indicate **FULL** marks.

**SECTION - I**

- Q.1** A) Answer **ANY FOUR** of the following: (08)
- a) Enlist the clinical uses of antiplatelet drugs.
  - b) What are thrombolytic drugs? Give examples.
  - c) What are the uses of anti-diuretics?
  - d) Classify anthelmintics.
  - e) Enlist the physiological role of Vitamin B<sub>12</sub>.
  - f) Enlist the adverse effect of rifampin.
- B) Explain the advantages of Co-trimoxazole when compared to sulphonamides. (03)
- Q.2** Classify anticoagulants. Compare and contrast warfarin and heparin. (12)
- Q.3** a) Explain the standard WHO-MDT for treatment of leprosy. (07)
- b) Discuss the pharmacology of Tacrolimus. (05)
- Q.4** Write short notes on **ANY THREE** of the following: (12)
- a) Fibrinolytics
  - b) Thiazide diuretics
  - c) Chloroquine
  - d) Acute toxicity studies

**SECTION - II**

- Q.5** A) Answer **ANY FOUR** of the following: (08)
- a) Enlist the adverse effects of methotrexate.
  - b) What is DOTS therapy?
  - c) Enlist the adverse effects of acyclovir.
  - d) What are histones? What is their function?
  - e) Differentiate introns and exons.
  - f) Describe the structure and function of Golgi?
- B) Enlist the measures to ameliorate toxicity due to chemotherapy. (03)
- Q.6** Classify anticancer drugs. Explain in detail the role of paclitaxel in cancer chemotherapy. (12)
- Q.7** a) Describe the chain termination method of DNA sequencing. (07)
- b) Describe the protein synthesis in eukaryotic cell. (05)
- Q.8** Write short notes on **ANY THREE** of the following: (12)
- a) Genome map
  - b) Polymerase chain reaction
  - c) Immunostimulants
  - d) Vasopressin